

Company:

Location:

Equipment: 000101368715

Make-Model:

Type:

Serial Number:

Unit Number

Customer No.

715E

ENGINE (SOOT)

SAE Grade:

Fuel: Di

Sales Rep:

Sample Information					
Test Date	Sample Date	Sample Num	Total Hours / Miles	Hours / Miles This Sample	C / S
8/9/2019	8/25/2019	080919133	18758		0 Chng
1/11/2019	1/8/2019	011119047	18464		0 Chng
6/13/2018	5/31/2018	061318027	18144		0 Chng
10/31/2017	10/13/2017	103117024	17633		0 Chng
6/16/2017	6/1/2017	061617094	17343		0 Chng

Physical Data			
Viscosity	Glycol	Fuel	Water
16.1	NEG	NEG	NEG
15.5	NEG	NEG	NEG
16.4	NEG	NEG	NEG
14.9	NEG	NEG	NEG
13.9	NEG	NEG	NEG

Wear Metal Concentrations in Parts Per Million (ppm) by Weight								
Lead	Iron	Silica	Chromium	Tin	Aluminum	Copper	Sodium	Potassium
1A	19A	1A	1A	1A	3A	4A	5	0
1A	16A	8A	2A	0A	4A	4A	1	1
0A	25A	11A	2A	2A	5A	7A	0	2
0A	9A	4A	1A	0A	4A	2A	9	2
3A	7A	3A	0A	0A	3A	1A	13	0

Sample Information			Chemical Data		
Test Date	Sample Date	Sample Num	TBN	Soot	Ox
8/9/2019	8/25/2019	080919133		0.20	
1/11/2019	1/8/2019	011119047		0.20	
6/13/2018	5/31/2018	061318027		0.50	
10/31/2017	10/13/2017	103117024		0.00	
6/16/2017	6/1/2017	061617094		0.00	

Additive Metals in ppm			
Ca	P	Zn	Mq

Particle Counts Per Particle Size								ISO Code
4Um	6Um	10Um	14Um	21Um	25Um	50Um	70Um	

Sample Num	RECOMMENDATIONS	Rating
080919133	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	A No action Required
011119047	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	C Review complete analysis, monitor engine or component parameters
061318027	VISCOSITY IS EQUAL TO A FIFTY WEIGHT OIL. CHECK TIMING/FUEL/AIR SYSTEM. CONTINUE TO SAMPLE TO MONITOR VISCOSITY AND WEAR TREND.	X Review complete analysis, examine engine or component parameters, Resample immediately
103117024	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	
061617094	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	

A-NORMAL

C-WARNING

X-CRITICAL

NEG-NEGATIVE

TR-TRACE

POS-POSITIVE

Company:

Location:

Equipment: 000101368715

Make-Model:

Type:

Serial Number:

Unit Number

Customer No.

715T

TRANS (LPD)

SAE Grade:

Fuel: Di

Sales Rep:

Sample Information					
Test Date	Sample Date	Sample Num	Total Hours / Miles	Hours / Miles This Sample	C / S
6/13/2018	5/31/2018	061318079	18144	0	Chng
2/17/2017	12/22/2016	021717217	17096	0	Chng
2/29/2016	2/24/2016	022916232	15863	0	Chng
3/11/2015	3/7/2015	031115093	14594	0	Chng
4/7/2014	3/28/2014	040714061	13552	0	Chng

Physical Data			
Viscosity	Glycol	Fuel	Water
	NEG	NEG	NEG
	NEG	NEG	NEG
	NEG	NEG	NEG
	NEG	NEG	NEG
	NEG	NEG	NEG

Wear Metal Concentrations in Parts Per Million (ppm) by Weight									
Lead	Iron	Silica	Chromium	Tin	Aluminum	Copper	Sodium	Potassium	
3A	20A	15A	0A	1A	5A	2A	2	1	
0A	8A	6A	0A	0A	1A	2A	0	3	
0A	15A	2A	0A	0A	4A	15A	2	2	
0A	9A	9A	0A	0A	3A	3A	8	1	
0A	17A	35C	0A	0A	3A	6A	31	4	

Sample Information			Chemical Data		
Test Date	Sample Date	Sample Num	TBN	Soot	Ox
6/13/2018	5/31/2018	061318079			
2/17/2017	12/22/2016	021717217			
2/29/2016	2/24/2016	022916232			
3/11/2015	3/7/2015	031115093			
4/7/2014	3/28/2014	040714061			

Additive Metals in ppm			
Ca	P	Zn	Mq

Particle Counts Per Particle Size								ISO
4Um	6Um	10Um	14Um	21Um	25Um	50Um	70Um	Code
43300	2607	2452	593	54	25	0	0	23/22/17
26644	3726	448	105	12	5	1	2	22/19/14
4846	897	145	68	10	5	0	2	20/17/14
11633	2143	283	102	28	8	4	4	21/19/14
4923	859	98	33	7	3	1	2	20/17/13

Sample Num	RECOMMENDATIONS	Rating
061318079	PARTICLE COUNT IS ELEVATED. CONTINUE TO SAMPLE TO MONITOR FLUID CLEANLINESS AND WEAR TREND.	A No action Required
021717217	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	C Review complete analysis, monitor engine or component parameters
022916232	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	X Review complete analysis, examine engine or component parameters, Resample immediately
031115093	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	
040714061	SILICA IS HIGH. CHECK FOR SOURCE OF DIRT ENTRY. CONTINUE TO SAMPLE TO MONITOR DIRT ENTRY AND WEAR TREND.	

A-NORMAL

C-WARNING

X-CRITICAL

NEG-NEGATIVE

TR-TRACE

POS-POSITIVE