

Company:
CLARKSON
CONSTRUCTION
0001001368

Location:
180

Equipment: 001013685347
Make-Model: 200LC
Type:
Serial Number:

Unit Number
5347E
ENGINE (SOOT)

Customer No.
0001001368

SAE Grade: 15W40

Fuel: DI

Sales Rep:

Sample Information					
Test Date	Sample Date	Sample Num	Total Hours / Miles	Hours / Miles This Sample	C / S
8/4/2017	7/24/2017	080417142	8872	0	Chng
7/26/2016	7/23/2016	072616054	8390	0	Chng
10/30/2015	10/26/2015	103015108	8087	0	Chng
5/12/2015	5/4/2015	051215056	7713	0	Chng
11/14/2014	11/1/2014	111414081	7340	0	Chng

Physical Data			
Viscosity	Glycol	Fuel	Water
14.1	NEG	NEG	NEG
14.1	NEG	NEG	NEG
14.0	NEG	NEG	NEG
14.0	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	
9A	47A	4A	8A	0A	4A	4A	4	1	
2A	8A	3A	1A	0A	3A	2A	13	0	
5A	12A	4A	2A	0A	3A	2A	9	1	
4A	10A	3A	2A	1A	3A	2A	13	1	
3A	11A	7A	2A	0A	2A	2A	18	1	

Sample Information			Chemical Data		
Test Date	Sample Date	Sample Num	TBN	Soot	Ox
8/4/2017	7/24/2017	080417142		0.10	
7/26/2016	7/23/2016	072616054		0.00	
10/30/2015	10/26/2015	103015108		0.50	
5/12/2015	5/4/2015	051215056		1.20	
11/14/2014	11/1/2014	111414081		0.30	

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
080417142	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	A No action Required
072616054	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	C Review complete analysis, monitor engine or component parameters
103015108	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	X Review complete analysis, examine engine or component parameters, Resample immediately
051215056	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	
111414081	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	

A-NORMAL

C-WARNING

X-CRITICAL

NEG-NEGATIVE

TR-TRACE

POS-POSITIVE

Company:
CLARKSON
CONSTRUCTION
0001001368

Location:
180

Equipment: 001013685347
Make-Model: 200LC
Type:
Serial Number:

Unit Number
5347HS
HYD SYST (LPD)

Customer No.
0001001368

SAE Grade:

Fuel:

Sales Rep:

Sample Information					
Test Date	Sample Date	Sample Num	Total Hours / Miles	Hours / Miles This Sample	C/S
8/4/2017	7/24/2017	080417246	8872	0	Chng
4/21/2014	4/15/2014	042114272	6918	0	Chng
10/26/2012	10/17/2012	102612111	6041	0	Chng
9/26/2011	9/16/2011	092311048	5020	1100	Chng
10/15/2007	10/5/2007	101207020	0	1125	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	
0A	5A	9A	0A	0A	2A	3A	10	1	
0A	13A	19C	0A	0A	3A	4A	5	0	
1A	3A	8A	0A	0A	1A	5A	0	1	
1A	6A	12A	0A	0A	1A	8A	16	1	
0A	6A	4A	0A	0A	4A	8A	0	0	

Sample Information			Chemical Data		
Test Date	Sample Date	Sample Num	TBN	Soot	Ox
8/4/2017	7/24/2017	080417246			
4/21/2014	4/15/2014	042114272			
10/26/2012	10/17/2012	102612111			
9/26/2011	9/16/2011	092311048			
10/15/2007	10/5/2007	101207020			

Additive Metals in ppm			
Ca	P	Zn	Mq

Particle Counts Per Particle Size								ISO Code
4Um	6Um	10Um	14Um	21Um	25Um	50Um	70Um	
27887	1021	34	3	0	1	0	0	22/17/0
15977	3395	22357	10615	769	20	3	20	24/23/21
37554	1780	111	21	1	1	0	0	22/18/12

Sample Num	RECOMMENDATIONS	Rating
080417246	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	A No action Required
042114272	SILICA IS HIGH. PARTICLE COUNT IS ELEVATED. CONTINUE TO SAMPLE TO DIRT ENTRY/FLUID CLEANLINESS AND WEAR TREND.	C Review complete analysis, monitor engine or component parameters
102612111	ALL TESTS APPEAR NORMAL FOR THIS SAMPLE.	
092311048	ALL TESTS APPEAR NORMAL FOR THIS DRAIN INTERVAL. 2 1 0 ISO 19/14	X Review complete analysis, examine engine or component parameters, Resample immediately
101207020	20 3 0 ISO 20/16 ALL TESTS APPEAR NORMAL FOR THIS DRAIN INTERVAL.	

A-NORMAL

C-WARNING

X-CRITICAL

NEG-NEGATIVE

TR-TRACE

POS-POSITIVE