CONSTRUCTION EQUIPMENT



Sample No: LH0255616

- 1

Oil Type: 49 NORTH 10W30

SAMPLE INFORMATION

Sample Number	LH0255616	LH0255613	LH0255604	LH0255601
Sample Date	25 Nov 2023	14 Sep 2023	26 Jun 2023	04 May 2023
Machine Hours	2400	1812	1086	537
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	MARGINAL	NORMAL	NORMAL	NORMAL
OIL CONDITION				
Visc @ 100°C cSt	0 10.7	0 10.8	11.3	11.8
Oxidation (PA) %	72	78	92	200

CON	FAMIN	ATION				
Water	%	NEG	NEG	NEG	NEG	
Soot %	%	0	0	0	0	
Nitration (PA)	%	69	68	68	104	
Sulfation (PA)	%	54	58	67	109	
Glycol	%	NEG	NEG	NEG	NEG	
Fuel	%	<mark>)</mark> 2	<1.0	0 1.7	0 1.5	
Silicon	ppm	6	07	0 4	8	
Sodium	ppm	0 2	0 2	2	02	
Potassium	ppm	0	0	◯ <1	0 4	

\odot **WEAR METALS** 04 Iron ppm $\bigcirc 5$ 05 0 11 Copper ppm 09 0 42 10 240 Lead ppm 01 8 $\bigcirc 2$ \bigcirc 3 ○ <1 Tin ○ <1 ppm \bigcirc < Aluminum 2 2 ppm \bigcirc 1 ○ <1 Chromium 0 ○ <1 ppm ○ <1 ○ <1 Molybdenum 0 56 0 55 54 0 46 ppm Nickel 0 <1 $\bigcirc 0$ $\bigcirc 0$ $\bigcirc 0$ ppm Titanium 0 00 0 ppm <1 Silver ○ <1 0 <1 $\bigcirc 0$ ppm $\bigcirc 0$ Manganese ppm 0 0 <1 Vanadium ppm 0

ADDITIVES						
Calcium	ppm	0 1002	0 1002	0 1058	0 1317	
Magnesium	ppm	944	940	938	924	
Zinc	ppm	0 1172	0 1172	0 1125	876	
Phosphorus	ppm	0 1039	○ 1005	0 1004	○ 773	
Barium	ppm	○ <1	2	6	30	
Boron	ppm	0 2	0 4	0 16	0 100	

Depot: Unique No: Signed: Report Date: GEN156EDM 5684924 Kevin Marson 01 Dec 2023



GENERAL RECYCLING INDUSTRIES LTD. 4120 - 84 AVENUE EDMONTON, AB

CA T6B 3H3 Contact: Corey MacKay cmackay@trailco.ca T: (587)926-1610 F: (780)485-4294

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

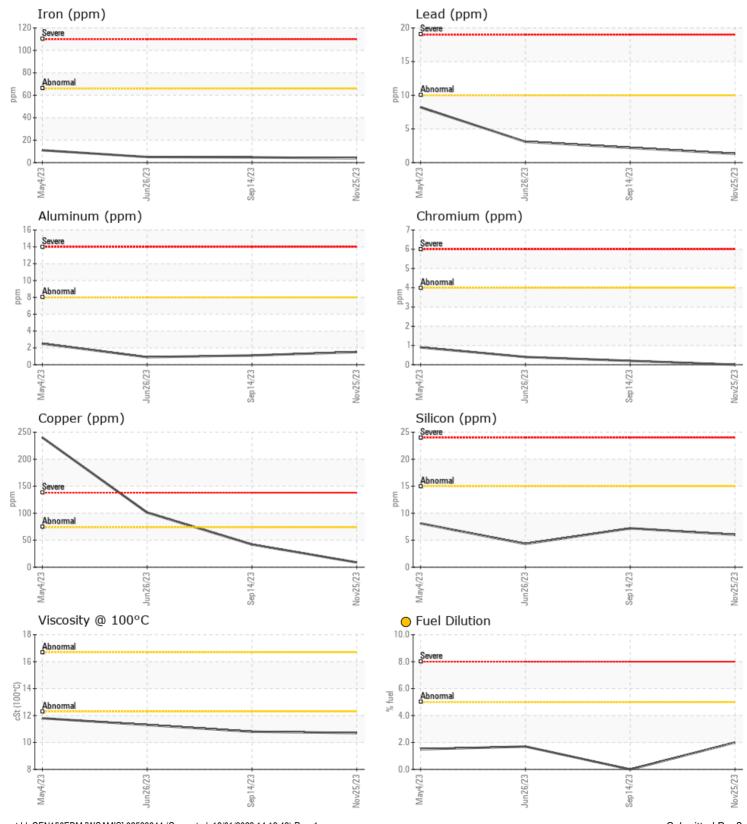
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