CONSTRUCTION EQUIPMENT



Sample No: LH0270555

Oil Type: PETRO CANADA 10W40

SAMPLE INFORMATION

Sample Number	LH0270555	LH0261284	LH0234937	LH0230633
Sample Date	04 Oct 2023	19 Apr 2023	14 Nov 2022	06 Jun 2022
Machine Hours	5149	4489	3951	3290
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL

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Visc @ 100°C	cSt	0 12.3	0 12.2	0 11.0	0 11.4	
Oxidation (PA)	%	74	62	92	79	
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	TAMIN	ATION			
Soot %	%	0 ()	0	0	0
Nitration (PA)	%	76	65	85	85
Sulfation (PA)	%	58	52	65	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	02	0 1.9
Silicon	ppm	07	07	07	8
Sodium	ppm	04	0 2	5	5
Potassium	ppm	0 5	○ <1	3	2

WEAR METALS

Iron	ppm	07	0 4	6	○ 5
Copper	ppm	6	○ 3	8 🔘	○ 5
Lead	ppm	03	○ <1	2	01
Tin	ppm	<mark></mark> <1	○ <1	◯ <1	○ <1
Aluminum	ppm	0 2	2	2	01
Chromium	ppm	○ <1	0	0	○ <1
Molybdenum	ppm	0 60	○ 56	56	52
Nickel	ppm	0	0	◯ <1	0
Titanium	ppm	0	<1	<1	0
Silver	ppm	<mark></mark> <1	0	0 (<1
Manganese	ppm	0	○ <1	<1	<1
Vanadium	ppm	0	0	0	0

	0	
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ADDITIVES						
Calcium	ppm	0 1039	0 1160	838	975	
Magnesium	ppm	964	915	0 1078	0 1039	
Zinc	ppm	0 1172	0 1176	0 1145	0 1257	
Phosphorus	ppm	943	0 1069	995	0 1103	
Barium	ppm	○ <1	0	0	0	
Boron	ppm	01	11	0 16	0 41	







BRIGHTON RECYCLING

686 COUNTY RD 64 BRIGHTON, ON CA K0K 1H0 Contact: Angel Guan angel@brightonrecycling.ca T: (613)475-1001 F: (613)475-1097

Diagnosis

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.Light concentration of visible metal present. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.





GRAPHS

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