LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LH0225130

Oil Type: PETRO CANADA TRAXON 75W90 SYNTHETIC

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U SAM	IPLE INFO	ORMATION			
Sample Number		LH0225130	LH0269771	LH0225076	LH0224845
Sample Date		07 Dec 2023	22 Sep 2023	10 Feb 2023	18 Nov 2022
Machine Hours		8004	7355	4980	4073
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
OIL	ONDITION	ON			
Visc @ 40°C	cSt	97.0	98.4	O 96.5	O 101

CONTAMINATION						
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	○ <1	O 1	O 2	O <1	
Sodium	ppm	1	O <1	O <1	1	
Potassium	ppm	2	O <1	O <1	O <1	

WEA	R METAL	S			
Iron	ppm	17	○ 32	4 3	○ 33
Copper	ppm	4	O 11	6	7
Lead	ppm	() <1	O <1	O 0	O <1
Tin	ppm	0	0	O 0	O 0
Aluminum	ppm	 <1	O <1	O <1	O <1
Chromium	ppm	0	0	O <1	O 0
Molybdenum	ppm	0	0	O 0	O 0
Nickel	ppm	○ <1	0	O 0	O <1
Titanium	ppm	0	0	O 0	O 0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	O <1	O <1	O <1
Vanadium	ppm	0	0	0	0

Vanadium	ppm	0	0	0	0
ADI	DITIVES				
Calcium	ppm	28	8	10	6
Magnesium	ppm	○ <1	O 2	2	O 2
Zinc	ppm	22	O 15	16	O 15
Phosphorus	ppm	1224	O 1233	1228	O 1055
Barium	ppm	0	O <1	O 2	O 5
Boron	ppm	302	○ 316	249	O 168



AltaSteel 9401 34 St NW Edmonton, AB CA T6B 2X6 Contact: Richard Bailey

richard.bailey@altasteel.com

T: F:

Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

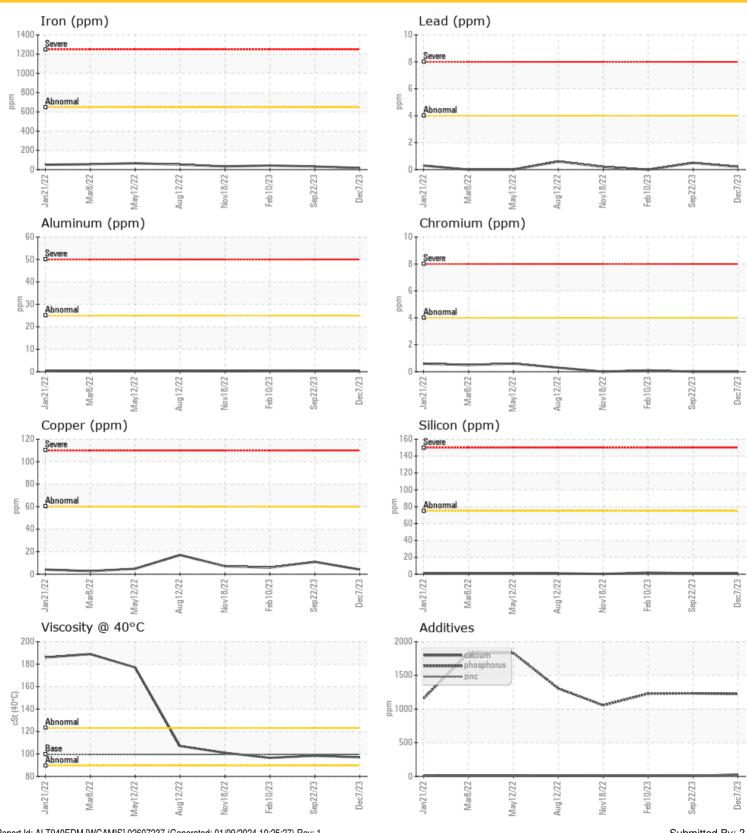
Depot: ALT940EDM Unique No: 5708323 Signed: Kevin Marson Report Date: 09 Jan 2024

CONSTRUCTION EQUIPMENT





GRAPHS



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Submitted By: ?