

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR A924C-LI064062-1049 - Diesel Engine

Sample No: LH0284322

Oil Type: PETRO CANADA DURON UHP 10W40



INFORMATION SUR L'ÉCHANTILLON

Numéro d'échant.	LH0284322	LH0274197	LH0261037	LH0235191
Date d'échant.	19 Feb 2024	26 Oct 2023	14 Jun 2023	28 Sep 2022
Heures de la Machine	14179	13784	13298	12508
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	NORMAL	NORMAL	NORMAL

MARCEL DUVAL FER ET METAUX INC.
661 RANG STE-MARIE
ST. SEBASTIEN, QC
CA J0J 2C0
Contact: Service Manager



ÉTAT D'HUILE

Visc 100°C	cSt	11.6	13.6	13.9	13.8
Oxydation (PA)	%	56	59	65	60

T:
F:



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0.5	1.2	1.5	1.3
Nitration (PA)	%	58	68	79	72
Sulfatation (PA)	%	52	58	63	60
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	1.1	<1.0	<1.0	<1.0
Silicium	ppm	6	6	6	6
Sodium	ppm	2	2	2	2
Potassium	ppm	1	<1	2	0

Diagnostic

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. Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.



MÉTAUX D'USURE

Fer	ppm	9	16	25	23
Cuivre	ppm	<1	2	2	2
Plomb	ppm	<1	<1	1	1
Étain	ppm	0	0	0	<1
Aluminium	ppm	1	<1	2	1
Chrome	ppm	0	0	<1	<1
Molybdène	ppm	56	61	51	57
Nickel	ppm	<1	0	0	0
Titane	ppm	0	0	0	0
Argent	ppm	0	<1	0	0
Manganèse	ppm	0	0	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1144	1102	1310	1223
Magnésium	ppm	905	967	832	916
Zinc	ppm	1180	1208	1233	1251
Phosphore	ppm	1019	996	1084	1110
Baryum	ppm	0	<1	0	0
Bore	ppm	7	3	19	4

Depot: MARSTS
Unique No: 5734492
Signed: Kevin Marson
Report Date: 23 Feb 2024



GRAPHS

