

LIEBHERR

CONSTRUCTION EQUIPMENT



[(360382)] - Diesel Engine

Sample No: LH0286858

Oil Type: PETRO CANADA 10W40



Information sur l'échantillon

Numéro d'échant.	LH0286858	LH0276279	LH0278912	LH0270566
Date d'échant.	03 May 2024	18 Apr 2024	18 Jan 2024	11 Oct 2023
Heures de la Machine	4567	4475	4002	3521
Heures de l'huile	0	0	0	0
Huile changée	Not Changd	Changed	Changed	Changed
Statut de l'échant.	NORMAL	ABNORMAL	NORMAL	NORMAL

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État d'huile

Visc 100°C	cSt	13.2	11.5	13.1	12.9
Oxydation (PA)	%	56	87	69	68



Contamination

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	47	88	76	76
Sulfatation (PA)	%	50	59	53	53
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	0.5	2.1	<1.0	<1.0
Silicium	ppm	4	5	6	5
Sodium	ppm	1	4	1	2
Potassium	ppm	<1	<1	<1	1

Diagnostic

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



Métaux d'usure

Fer	ppm	2	4	3	4
Cuivre	ppm	<1	1	1	2
Plomb	ppm	0	0	<1	<1
Étain	ppm	0	0	<1	<1
Aluminium	ppm	<1	1	2	1
Chrome	ppm	0	0	0	0
Molybdène	ppm	54	57	58	59
Nickel	ppm	0	0	0	0
Titane	ppm	<1	0	0	0
Argent	ppm	0	0	0	<1
Manganèse	ppm	0	0	0	0
Vanadium	ppm	0	0	0	0



Additifs

Calcium	ppm	962	862	1074	1111
Magnésium	ppm	919	1111	966	989
Zinc	ppm	1140	1219	1196	1251
Phosphore	ppm	978	1000	1026	1008
Baryum	ppm	0	0	0	<1
Bore	ppm	3	27	1	1

Depot: GERCON
 Unique No: 5774569
 Signed: Kevin Marson
 Report Date: 07 May 2024



Graphs

