

LIEBHERR

CONSTRUCTION EQUIPMENT



[(351146)] LIEBHERR A918 131283-1508 - Diesel Engine

Sample No: LH0277527

Oil Type: PETRO CANADA 10W40



THOMAS CAVANAGH CONSTRUCTION LTD
RR # 2, 9094 CAVANAGH ROAD
ASHTON, ON
CA K0A 1B0
Contact: Keith

T: (613)257-4995
F: (613)253-0071

Diagnostic

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



INFORMATION SUR L'ÉCHANTILLON

Número d'échant.	LH0277527	LH0274421	LH0261308	LH0242419
Date d'échant.	24 Nov 2023	18 Aug 2023	27 Apr 2023	01 Nov 2022
Heures de la Machine	3974	2990	2494	2002
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	NORMAL	NORMAL	NORMAL	NORMAL



ÉTAT D'HUILE

Visc 100°C	cSt	12.1	13.6	13.4	11.6
Oxydation (PA)	%	59	59	59	61



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	53	55	55	68
Sulfatation (PA)	%	52	55	52	57
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	5	7	9	18
Sodium	ppm	2	2	2	4
Potassium	ppm	0	<1	1	2



MÉTAUX D'USURE

Fer	ppm	13	13	14	13
Cuivre	ppm	<1	<1	<1	<1
Plomb	ppm	<1	0	0	0
Étain	ppm	0	0	0	0
Aluminium	ppm	1	1	2	3
Chrome	ppm	<1	<1	0	0
Molybdène	ppm	59	59	56	5
Nickel	ppm	0	0	<1	<1
Titane	ppm	0	<1	6	85
Argent	ppm	<1	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	1



ADDITIFS

Calcium	ppm	1064	1071	1176	1874
Magnésium	ppm	978	1013	936	405
Zinc	ppm	1185	1240	1190	1179
Phosphore	ppm	1005	1087	1087	1070
Baryum	ppm	<1	0	0	0
Bore	ppm	2	2	8	98

Depot: CAVASH
Unique No: 5684760
Signed: Kevin Marson
Report Date: 30 Nov 2023



GRAPHS

