

LIEBHERR

CONSTRUCTION EQUIPMENT



[(366409)] LIEBHERR R945 053994-1866 - Diesel Engine

Sample No: LH0285030

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.	LH0285030	LH0237701	LH0202863	LH0237737
Date d'échant.	08 Feb 2024	11 Aug 2023	25 May 2023	01 May 2023
Heures de la Machine	4053	3069	2611	1005
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	13.3	13.5	13.1	13.1
Oxydation (PA)	%	64	66	67	83



CONTAMINATION

Eau	%	NEG	NEG	NEG	NEG
% de suie	%	0	0	0	0
Nitration (PA)	%	67	68	68	76
Sulfatation (PA)	%	51	55	53	60
Glycol	%	NEG	NEG	NEG	NEG
Essence	%	<1.0	<1.0	<1.0	<1.0
Silicium	ppm	6	7	6	6
Sodium	ppm	1	2	2	2
Potassium	ppm	<1	<1	<1	<1



MÉTAUX D'USURE

Fer	ppm	3	3	4	5
Cuivre	ppm	2	2	2	54
Plomb	ppm	<1	<1	<1	2
Étain	ppm	<1	<1	<1	<1
Aluminium	ppm	1	<1	1	1
Chrome	ppm	<1	<1	0	<1
Molybdène	ppm	60	59	59	58
Nickel	ppm	<1	0	0	0
Titane	ppm	0	<1	<1	<1
Argent	ppm	0	0	0	0
Manganèse	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIFS

Calcium	ppm	1077	1111	1104	1121
Magnésium	ppm	982	996	993	968
Zinc	ppm	1198	1236	1203	1153
Phosphore	ppm	1028	1092	1097	1032
Baryum	ppm	0	0	0	3
Bore	ppm	<1	2	3	7

Depot: CAVASH
Unique No: 5734490
Signed: Wes Davis
Report Date: 22 Feb 2024



GRAPHS

