



CONSTRUCTION EQUIPMENT

GDS MATANE VOLVO L90H 626229 - DIESEL ENGINE



Sample No: VCP382457
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP382457	VCP394565	WC391710	VCP381399
Sample Date	10 Nov 2023	28 Aug 2023	26 Apr 2023	02 Feb 2023
Machine Hours	3183	2680	2144	1631
Oil Hours	0	0	500	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.3	13.4	13.4	13.6
Oxidation (PA)	%	88	85	86	68



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.3	0.3	0.1	0
Nitration (PA)	%	70	67	66	59
Sulfation (PA)	%	65	63	64	61
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	7	8	7
Sodium	ppm	3	3	3	3
Potassium	ppm	0	<1	0	0

Diagnosis

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Les taux d'usure de tous les composants sont normaux. Il n'y a aucun indice de contamination dans l'huile. L'état de l'huile est acceptable pour la durée de service.



WEAR METALS

Iron	ppm	13	15	12	16
Copper	ppm	<1	<1	<1	1
Lead	ppm	<1	0	0	0
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	3	3	3	5
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	42	42	41	45
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	<1	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1744	1697	1795	1817
Magnesium	ppm	527	526	524	543
Zinc	ppm	1107	1097	1087	1143
Phosphorus	ppm	914	989	1008	1058
Barium	ppm	<1	0	0	<1
Boron	ppm	26	27	33	34

Depot: VOLVO0228
Unique No: 5695793
Signed: Wes Davis
Report Date: 13 Dec 2023

VOLVO **GRAPHS**

