



CONSTRUCTION EQUIPMENT

GDS MATANE 403783 VOLVO L90H 627157 - DIESEL ENGINE



Sample No: VCP449461
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 403783



SAMPLE INFORMATION

Sample Number	VCP449461	VCP430045	VCP394544	VCP393852
Sample Date	07 May 2024	27 Mar 2024	09 Feb 2024	22 Dec 2023
Machine Hours	2712	2188	1623	1056
Oil Hours	500	0	0	0
Oil Changed	Changed	N/A	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



STRONGCO EQUIPMENT INC (STE- FOY)

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OIL CONDITION

Visc @ 100°C	cSt	13.2	13.4	13.1	13.0
Oxidation (PA)	%	80	80	84	82



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	59	58	60	58
Sulfation (PA)	%	61	61	62	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	4	5	6
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	0	<1	<1

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	10	12	15	20
Copper	ppm	<1	<1	<1	1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	4	4	4	7
Chromium	ppm	<1	<1	1	2
Molybdenum	ppm	41	40	40	41
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	0	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1785	1714	1739	1734
Magnesium	ppm	521	520	511	510
Zinc	ppm	1126	1079	1077	1081
Phosphorus	ppm	959	913	935	940
Barium	ppm	<1	<1	<1	<1
Boron	ppm	36	33	34	36

Depot: VOLVO0228
Unique No: 5787988
Signed: Wes Davis
Report Date: 30 May 2024



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GRAPHS

