



CONSTRUCTION EQUIPMENT

GDS MATANE 401469 VOLVO L110H 632725 - DIESEL ENGINE



Sample No: VCP391806
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 401469



SAMPLE INFORMATION

Sample Number	VCP391806	VCP429839	VCP394522	VCP430109
Sample Date	03 May 2024	15 Mar 2024	09 Feb 2024	22 Dec 2023
Machine Hours	2876	2196	1669	1093
Oil Hours	0	0	0	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 @ 40°C	cSt	102	---	---	---
Visc @ 100°C	cSt	13.7	13.5	13.1	13.1
Viscosity Index (VI)	Scale	134	---	---	---
Oxidation (PA)	%	84	84	82	78

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.



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.1	0.1	0.1	0
Nitration (PA)	%	62	59	58	53
Sulfation (PA)	%	64	63	62	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	3	3	4	5
Sodium	ppm	2	2	2	2
Potassium	ppm	<1	<1	<1	1



WEAR METALS

Iron	ppm	13	12	13	10
Copper	ppm	1	1	2	3
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	0	<1	<1
Aluminum	ppm	4	4	5	6
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	41	41	43	50
Nickel	ppm	0	0	<1	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	<1	<1
Manganese	ppm	<1	0	0	0
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1800	1732	1760	1674
Magnesium	ppm	525	525	516	500
Zinc	ppm	1112	1109	1095	1080
Phosphorus	ppm	941	914	937	962
Barium	ppm	<1	<1	<1	1
Boron	ppm	36	39	47	94

Depot: VOLVO0228
Unique No: 5788099
Signed: Wes Davis
Report Date: 30 May 2024



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GRAPHS

