



CONSTRUCTION EQUIPMENT

VOLVO L220H 2456 - DIESEL ENGINE



Sample No: VCP391622

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

Job No:



SAMPLE INFORMATION

Sample Number	VCP391622	VCP299041	VCP274347	VCP274475
Sample Date	08 Feb 2024	18 May 2021	17 Mar 2021	12 Feb 2021
Machine Hours	0	11065	10466	10129
Oil Hours	1000	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



STRONGCO INC

1575 RUE BERSIMIS
CHICOUTIMI, QC
CA G7K 1G9

Contact: Dany Levesque
dlevesque@strongco.com
T: (418)690-1724
F: (418)690-5002



OIL CONDITION

Visc @ 100°C	cSt	13.1	12.7	13.1	12.8
Oxidation (PA)	%	85	78	66	89



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0	0	0	0.1
Nitration (PA)	%	63	59	61	80
Sulfation (PA)	%	62	62	57	64
Glycol	%	NEG	NEG	NEG	0.0
Fuel	%	<1.0	0.3	<1.0	<1.0
Silicon	ppm	5	8	7	16
Sodium	ppm	2	4	4	8
Potassium	ppm	<1	<1	2	6

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	4	7	8	24
Copper	ppm	<1	<1	<1	2
Lead	ppm	<1	<1	<1	1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	2	3	3	7
Chromium	ppm	0	1	2	4
Molybdenum	ppm	39	33	19	31
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	1
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1661	1588	1441	1577
Magnesium	ppm	488	514	624	545
Zinc	ppm	870	1022	947	1025
Phosphorus	ppm	750	839	786	814
Barium	ppm	0	<1	<1	<1
Boron	ppm	36	39	57	27

Depot: VOLVO0230
Unique No: 5723634
Signed: Wes Davis
Report Date: 09 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

