



CONSTRUCTION EQUIPMENT

VOLVO L180H 5568 - DIESEL ENGINE



Sample No: VCP352087
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP352087	VCP382130	VCP334182	VCP335003
Sample Date	22 Aug 2023	21 Mar 2023	12 Oct 2022	09 Jun 2022
Machine Hours	1982	1515	1015	536
Oil Hours	0	0	0	0
Oil Changed	N/A	Not Changd	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT
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OIL CONDITION

Visc @ 100°C	cSt	12.8	12.9	12.9	10.5
Oxidation (PA)	%	82	80	84	60

CONTAMINATION

Soot %	%	0	0	0	0
Nitration (PA)	%	63	61	62	78
Sulfation (PA)	%	65	68	66	59
Glycol	%	NEG	NEG	0.0	NEG
Fuel	%	<1.0	<1.0	<1.0	0.3
Silicon	ppm	5	5	7	24
Sodium	ppm	3	2	2	3
Potassium	ppm	3	0	0	4

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	6	7	6	13
Copper	ppm	8	20	69	501
Lead	ppm	<1	3	2	16
Tin	ppm	<1	<1	1	3
Aluminum	ppm	1	1	1	2
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	41	43	46	89
Nickel	ppm	1	2	<1	1
Titanium	ppm	<1	<1	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	4
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1661	1805	1767	2231
Magnesium	ppm	513	508	467	12
Zinc	ppm	1070	1074	1110	1214
Phosphorus	ppm	984	995	1019	1048
Barium	ppm	0	0	0	<1
Boron	ppm	40	46	37	52

Depot: STR520TRO
Unique No: 5630760
Signed: Wes Davis
Report Date: 23 Aug 2023



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GRAPHS

