



CONSTRUCTION EQUIPMENT

SPM606063 US GYPSUM VOLVO L180H 5572 - DIESEL ENGINE



Sample No: VCP413976
Oil Type: DIESEL ENGINE OIL SAE 15W40
Job No: SPM606063 US GYPSUM



SAMPLE INFORMATION

Sample Number	VCP413976	VCP422596	VCP410748	VCP364844
Sample Date	12 Sep 2023	13 Jun 2023	14 Mar 2023	24 Jan 2023
Machine Hours	5421	4720	4201	3714
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Chngd	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

ALTA EQUIPMENT CO - ORLAND PARK
5000 INDUSTRIAL HWY
GARY, IN
US 46406
Contact: DAVE ENG
DAVE.ENG@ALTG.COM
T: (312)350-2560
F:



OIL CONDITION

Visc @ 100°C	cSt	13.3	14.4	13.5	13.3
Base Number (BN)	mg KOH/g	7.7	9.6	9.0	8.7
Oxidation (PA)	%	63	59	59	60

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	0.3	0.2	0.2	0.2
Nitration (PA)	%	68	63	60	68
Sulfation (PA)	%	54	53	52	52
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	4	3	4	3
Sodium	ppm	2	<1	2	<1
Potassium	ppm	2	2	<1	0



WEAR METALS

Iron	ppm	6	5	10	5
Copper	ppm	2	3	5	1
Lead	ppm	0	0	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	0	1	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	61	60	59	59
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1076	1056	1078	1089
Magnesium	ppm	1003	1005	907	941
Zinc	ppm	1297	1328	1205	1246
Phosphorus	ppm	1069	1063	1011	997
Barium	ppm	0	0	2	0
Boron	ppm	<1	<1	0	0

Depot: VOLVO8885
Unique No: 10658029
Signed: Wes Davis
Report Date: 21 Sep 2023



CONSTRUCTION EQUIPMENT



GRAPHS

