



CONSTRUCTION EQUIPMENT

R24225 IAA MORGANVIL VOLVO L90H 625744 - DIESEL ENGINE



Sample No: VCP436557
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: R24225 IAA MORGANVIL



SAMPLE INFORMATION

Sample Number	VCP436557	VCP441963	VCP390277	VCP390249
Sample Date	05 Feb 2024	14 Nov 2023	04 Aug 2023	11 May 2023
Machine Hours	6134	5648	5087	4619
Oil Hours	0	0	0	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

HOFFMAN EQUIPMENT INC
 300 S RANDOLPHVILLE RD
 PISCATAWAY, NJ
 US 08854
 Contact: IOANA BODOCHI
 ioana.bodochi@hoffmanequip.com
 T:
 F: (732)968-8371



OIL CONDITION

Visc @ 100°C	cSt	12.8	13.0	13.1	13.2
Base Number (BN)	mg KOH/g	10.6	10.4	9.8	10.4
Oxidation (PA)	%	82	82	79	84

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

Water	%	NEG	NEG	NEG	NEG
Soot %	%	0.2	0.2	0.2	0.2
Nitration (PA)	%	55	54	49	53
Sulfation (PA)	%	61	62	58	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	5	8	4	5
Sodium	ppm	<1	2	1	3
Potassium	ppm	2	2	1	0



WEAR METALS

Iron	ppm	5	8	5	6
Copper	ppm	1	<1	<1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	<1	0
Aluminum	ppm	2	5	2	<1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	39	57	43	40
Nickel	ppm	0	<1	0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	<1	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1578	2332	1713	1694
Magnesium	ppm	471	689	504	503
Zinc	ppm	1051	1545	1125	1117
Phosphorus	ppm	917	1283	966	946
Barium	ppm	0	0	0	0
Boron	ppm	53	61	46	49

Depot: HOFPISNJ
Unique No: 10874265
Signed: Wes Davis
Report Date: 13 Feb 2024



CONSTRUCTION EQUIPMENT



GRAPHS

