



CONSTRUCTION EQUIPMENT

X37246 VOLVO A25G 752299 - DIESEL ENGINE



Sample No: VCP416895
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: X37246



SAMPLE INFORMATION

Sample Number	VCP416895	VCP414180	VCP400915	VCP390799
Sample Date	18 Oct 2023	24 Aug 2023	05 Jun 2023	30 Mar 2023
Machine Hours	5905	5368	0	3980
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

DIPROINDUCA USA LIMITED
 2528 MEDINA RD
 MEDINA, OH
 US 44256
 Contact: MATT GILLILAND
 mgilliland@diproinduca.com
 T: (225)571-0603
 F:

OIL CONDITION

Visc @ 100°C	cSt	12.5	12.4	12.4	▲ 11.8
Base Number (BN)	mg KOH/g	9.9	9.9	10.6	9.9
Oxidation (PA)	%	76	79	82	78

CONTAMINATION

Soot %	%	0.1	0.1	0.1	0.1
Nitration (PA)	%	47	53	50	48
Sulfation (PA)	%	59	60	63	62
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	▲ 2.4
Silicon	ppm	4	3	3	4
Sodium	ppm	0	3	2	2
Potassium	ppm	1	5	<1	<1

WEAR METALS

Iron	ppm	3	4	4	4
Copper	ppm	1	2	2	1
Lead	ppm	<1	1	<1	0
Tin	ppm	<1	<1	<1	0
Aluminum	ppm	2	2	0	1
Chromium	ppm	<1	<1	<1	<1
Molybdenum	ppm	42	34	39	41
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	<1	0	0

ADDITIVES

Calcium	ppm	1603	1412	1576	1680
Magnesium	ppm	484	420	468	514
Zinc	ppm	1134	950	1049	1099
Phosphorus	ppm	1015	777	900	940
Barium	ppm	0	0	0	0
Boron	ppm	51	33	52	66

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.

Depot: DIPMED
Unique No: 10708833
Signed: Wes Davis
Report Date: 24 Oct 2023



CONSTRUCTION EQUIPMENT



GRAPHS

