



CONSTRUCTION EQUIPMENT

M0700016 FORD F750 8399 - DIESEL ENGINE



Sample No: VCP419557
Oil Type: MOBIL 15W40
Job No: M07000016



SAMPLE INFORMATION

Sample Number	VCP419557	VCP311929	VCP338042	VCP407789
Sample Date	13 Jun 2024	25 Oct 2023	18 Aug 2023	09 Aug 2023
Machine Hours	12341	11620	11431	11386
Oil Hours	500	500	50	0
Oil Changed	Not Chngd	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL

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OIL CONDITION

Visc @ 100°C	cSt	13.5	13.9	13.9	13.9
Base Number (BN)	mg KOH/g	9.7	8.9	8.4	8.2
Oxidation (PA)	%	84	73	62	77

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 %	%	0.6	0.5	0.2	0.9
Nitration (PA)	%	79	82	58	97
Sulfation (PA)	%	62	56	52	59
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	<1.0	<1.0
Silicon	ppm	6	16	12	32
Sodium	ppm	25	26	9	39
Potassium	ppm	36	36	14	56



WEAR METALS

Iron	ppm	17	31	11	45
Copper	ppm	1	1	<1	3
Lead	ppm	<1	<1	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	4	6	2	11
Chromium	ppm	<1	<1	<1	2
Molybdenum	ppm	44	52	52	60
Nickel	ppm	0	<1	0	<1
Titanium	ppm	<1	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	<1	<1	<1	1
Vanadium	ppm	<1	0	<1	0



ADDITIVES

Calcium	ppm	1756	1257	1326	1351
Magnesium	ppm	603	732	649	720
Zinc	ppm	1206	907	893	998
Phosphorus	ppm	993	752	734	811
Barium	ppm	0	0	0	0
Boron	ppm	32	30	46	29

Depot: VOLVO8882
Unique No: 11088466
Signed: Don Baldrige
Report Date: 22 Jun 2024



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VOLVO GRAPHS

