



CONSTRUCTION EQUIPMENT

TRIPLE M METAL 379600 VOLVO EC700C 110604 - DIESEL ENGINE



Sample No: VCP394837
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No: 379600



SAMPLE INFORMATION

Sample Number	VCP394837	VCP275343	VCP260376	VCP260369
Sample Date	13 Oct 2023	18 Feb 2021	29 Jul 2020	31 Jan 2020
Machine Hours	10016	7448	7047	6554
Oil Hours	2000	500	500	500
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

STRONGCO EQUIPMENT (CE)

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OIL CONDITION

Visc @ 40°C	cSt	---	91.5	---	---
Visc @ 100°C	cSt	12.2	12.4	12.3	12.5
Viscosity Index (VI)	Scale	---	130	---	---
Base Number (BN)	mg KOH/g	---	---	---	9.06
Oxidation (PA)	%	81	77	78	80

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 condition of the oil is acceptable for the time in service.

CONTAMINATION

Soot %	%	0.1	0	0	0
Nitration (PA)	%	53	47	48	55
Sulfation (PA)	%	62	61	61	71
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	<1.0	<1.0	1.1	<1.0
Silicon	ppm	4	5	4	4
Sodium	ppm	2	2	2	6
Potassium	ppm	0	<1	1	3

WEAR METALS

Iron	ppm	6	3	3	3
Copper	ppm	<1	<1	1	2
Lead	ppm	<1	0	0	0
Tin	ppm	<1	0	<1	0
Aluminum	ppm	1	<1	1	1
Chromium	ppm	0	<1	0	<1
Molybdenum	ppm	41	41	40	42
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	0	0	0	<1
Silver	ppm	<1	<1	0	0
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	1676	1534	1548	1635
Magnesium	ppm	504	533	546	547
Zinc	ppm	1060	1109	1108	894
Phosphorus	ppm	910	912	981	779
Barium	ppm	<1	0	0	0
Boron	ppm	48	43	48	45

Depot: VOLVO0252
Unique No: 5658928
Signed: Wes Davis
Report Date: 18 Oct 2023



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GRAPHS

