

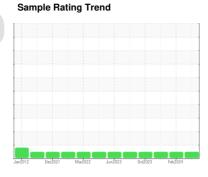
# **OIL ANALYSIS REPORT**



# **WMR-Pueblo** 110479 VOLVO EC460CL 110479

Diesel Engine

PHILLIPS 66 15W40 (--- GAL)





### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DJJ0008744	DJJ0009393	DJJ0015287
Sample Date		Client Info		05 Jun 2024	16 Feb 2024	06 Dec 2023
Machine Age	hrs	Client Info		16581	16194	15994
Oil Age	hrs	Client Info		400	200	250
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Water		WC Method	>0.1	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	12	4	2
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>10	3	1	2
Lead	ppm	ASTM D5185m	>20	1	0	0
Copper	ppm		>15	3	<1	0
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m	>10	<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	PP	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	mm saco	95	104	127
Barium	ppm	ASTM D5185m		0	0	0
	ppm			9	13	18
Molybdenum	ppm	ASTM D5185m				
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		704	601	690
Calcium	ppm	ASTM D5185m		1476	1258	1329
Phosphorus	ppm	ASTM D5185m		748	631	725
Zinc	ppm	ASTM D5185m		844	657	834
Sulfur	ppm	ASTM D5185m		3583	2628	2994
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	8	4	3
Sodium	ppm	ASTM D5185m		2	2	2
Potassium	ppm	ASTM D5185m	>20	4	1	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.2	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.7	7.1	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.8	17.5	18.0
FLUID DEGRADATION method limit/base current history1 history2						
Oxidation	Abs/.1mm	*ASTM D7414	>25	11.9	11.7	12.2
Base Number (BN)	mg KOH/g	ASTM D2896		7.4	8.0	7.7



## **OIL ANALYSIS REPORT**







Certificate 12367

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 06207417

: DJJ0008744 Unique Number : 11074878

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Received **Tested** Diagnosed Test Package : MOBCE ( Additional Tests: KV40, TBN )

: 12 Jun 2024 : 14 Jun 2024

: 14 Jun 2024 - Sean Felton

US 84330 Contact: JARDEE STEED jardee.steed@wmrecycling.com T: (435)458-3851

**WESTERN METALS RECYCLING - PLYMOUTH** 

7400 WEST CEMETERY ROAD

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: (435)458-3601 Contact/Location: JARDEE STEED - WESPLY

PLYMOUTH, UT