

PROBLEM SUMMARY



ONE WORLD LOGISTICS [NSE207127] **VOLVO OWL207127** Component

Diesel Engine NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR		

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL			
Iron	ppm	ASTM D5185m	>100	<u> </u>			
ITOTI	ppm	A91101001000	>100	<u> </u>			

Customer Id: KIRRAI Sample No.: NL0001604 Lab Number: 06025664 Test Package: FLEET



To manage this report scan the QR code

To discuss the diagnosis or test data: Sean Felton +1 919-379-4092 sfelton@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Fluid			?	Oil and filter change at the time of sampling has been noted.	
Change Filter			?	Oil and filter change at the time of sampling has been noted.	
Information Required			?	Please specify the brand, type, and viscosity of the oil on your next sample.	

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



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DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Fluic

A Wear

Cylinder, crank, or cam shaft wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

				Nov2023		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NL0001604		
Sample Date		Client Info		27 Nov 2023		
Machine Age	mls	Client Info		414218		
Oil Age	mls	Client Info		411443		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	_ 191		
Chromium	ppm	ASTM D5185m	>20	3		
Nickel	ppm	ASTM D5185m	>2	1		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>25	4		
Lead	ppm	ASTM D5185m	>40	2		
Copper	ppm	ASTM D5185m	>330	23		
Tin	ppm	ASTM D5185m	>15	1		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		3		
Molybdenum	ppm	ASTM D5185m		77		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		1148		
Calcium	ppm	ASTM D5185m		1627		
Phosphorus	ppm	ASTM D5185m		1259		
Zinc	ppm	ASTM D5185m		1680		
Sulfur	ppm	ASTM D5185m		3021		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	12		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	7		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	2		
Nitration	Abs/cm	*ASTM D7624	>20	18.4		
Sulfation	Abs/.1mm	*ASTM D7415	>30	36.1		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	38.2		
Base Number (BN)	mg KOH/g	ASTM D2896		4.4		



OIL ANALYSIS REPORT



Submitted By: Skip Womack

Page 4 of 4