

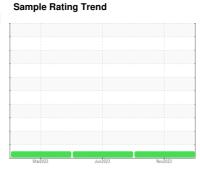
OIL ANALYSIS REPORT



ONE WORLD LOGISTICS VOLVO OWL207125

Component **Diesel Engine**

DIESEL ENGINE OIL SAE 40 (--- GAL)





DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

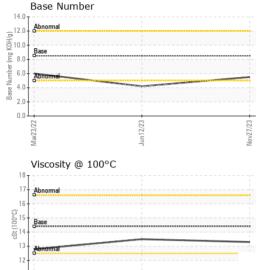
Fluid Condition

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

AE 40 (GAL)		Ma	2022	Jun2023 Nov20	123	
SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		NL0001755	NL0001596	NL0000884
Sample Date		Client Info		27 Nov 2023	12 Jun 2023	23 Mar 2022
Machine Age	mls	Client Info		449507	449507	255463
Oil Age	mls	Client Info		399552	71657	27653
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>6.0	<1.0	<1.0	<1.0
Nater		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
ron	ppm	ASTM D5185m	>100	49	66	43
Chromium	ppm	ASTM D5185m	>20	<1	1	1
Vickel	ppm	ASTM D5185m	>2	<1	1	4
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>25	7	9	7
_ead	ppm	ASTM D5185m	>40	<1	2	2
Copper	ppm	ASTM D5185m	>330	10	13	25
Γin	ppm	ASTM D5185m	>15	0	1	1
√anadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	<1
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m	100	72	73	62
Manganese	ppm	ASTM D5185m		0	1	1
Magnesium	ppm	ASTM D5185m	450	1081	1092	998
Calcium	ppm	ASTM D5185m		1189	1211	1163
Phosphorus	ppm	ASTM D5185m	1150	1060	1160	970
Zinc	ppm	ASTM D5185m	1350	1368	1442	1119
Sulfur	ppm	ASTM D5185m	4250	2943	2741	2009
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	7	7
Sodium	ppm	ASTM D5185m	>216	2	<1	3
Potassium	ppm	ASTM D5185m	>20	5	5	9
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	1.2	1
Nitration	Abs/cm	*ASTM D7624		12.0	13.8	14.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	24.2	27.5	26.1
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.5	26.0	22.9
Base Number (BN)						



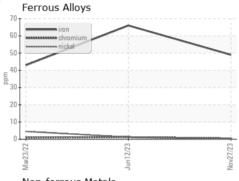
OIL ANALYSIS REPORT

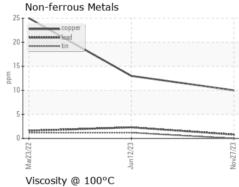


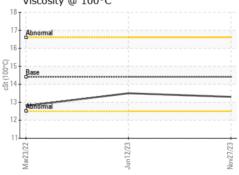
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG

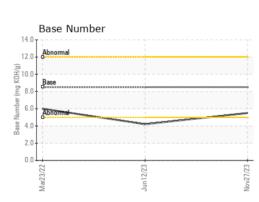
FLUID PROPER	THES	method			riistory i	riistoryz
Visc @ 100°C	cSt	ASTM D445	14.4	13.3	13.5	12.8

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number Unique Number : 10770163 Test Package : FLEET

: NL0001755 : 06025663

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received

: 05 Dec 2023 Diagnosed : 06 Dec 2023 Diagnostician : Wes Davis

601 England Rd. Lincoln, AL US 35096 Contact: Skip Womack

KIRK NATIONALEASE - SHOP 49

shop49@knl.cc T: (205)548-3004

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

* - 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)

Report Id: KIRRAI [WUSCAR] 06025663 (Generated: 12/07/2023 07:30:30) Rev: 1

Submitted By: Skip Womack

F: (205)548-3006