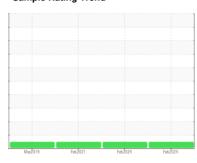


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



WIRTGEN 621

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (9 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

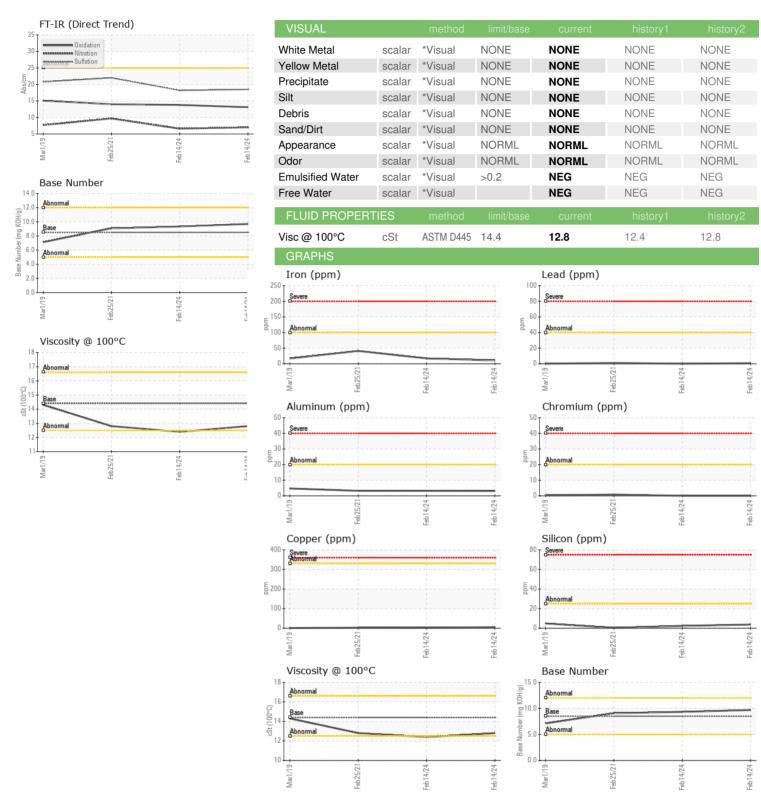
Fluid Condition

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

SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		RW0005163	RW0005473	RW0001971
Sample Date		Client Info		14 Feb 2024	14 Feb 2024	25 Feb 2021
Machine Age	hrs	Client Info		5377	5346	4207
Oil Age	hrs	Client Info		441	199	0
Oil Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL		NORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	17	11	41
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	3	3	3
Lead	ppm	ASTM D5185m	>40	0	<1	1
Copper	ppm	ASTM D5185m	>330	2	6	3
Tin	ppm	ASTM D5185m	>15	0	0	<1
Antimony	ppm	ASTM D5185m				<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	5	97	17
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	64	67	71
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	450	1031	456	752
Calcium	ppm	ASTM D5185m		1267	1977	1318
Phosphorus	ppm	ASTM D5185m	1150	1149	1153	967
Zinc	ppm	ASTM D5185m	1350	1405	1397	1246
Sulfur	ppm	ASTM D5185m	4250	4192	4561	2420
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	4	<1
Sodium	ppm	ASTM D5185m	>158	<1	<1	3
Potassium	ppm	ASTM D5185m	>20	<1	<1	<1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	1	0.2	1.7
Nitration	Abs/cm	*ASTM D7624	>20	7.0	6.6	9.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	18.2	22
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.1	13.8	14



OIL ANALYSIS REPORT







Report Id: HALHAR [WUSCAR] 06161021 (Generated: 04/26/2024 14:40:31) Rev: 1

Sample No.

: RW0005163 Lab Number : 06161021 Unique Number : 10996444

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

Received : 25 Apr 2024 **Tested** : 26 Apr 2024 Diagnosed

: 26 Apr 2024 - Wes Davis

HALLACK CONTRACTING, INC. 4223 W POLK HART, MI US 49420 Contact: DAN HALLACK KARL BUTCHER

Test Package : MOB 2 Certificate 12367 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.

shop@hallackcontracting.com T: (231)873-5081 F: (231)873-2889

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: DAN HALLACK KARL BUTCHER - HALHAR