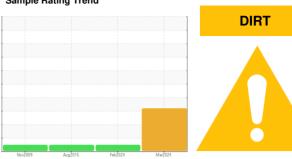


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **WHITE 80**

Component

Diesel Engine

CENPECO 15W40 (12 QTS)

DIAGNOSIS

Recommendation

We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

The iron level is abnormal. All other component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

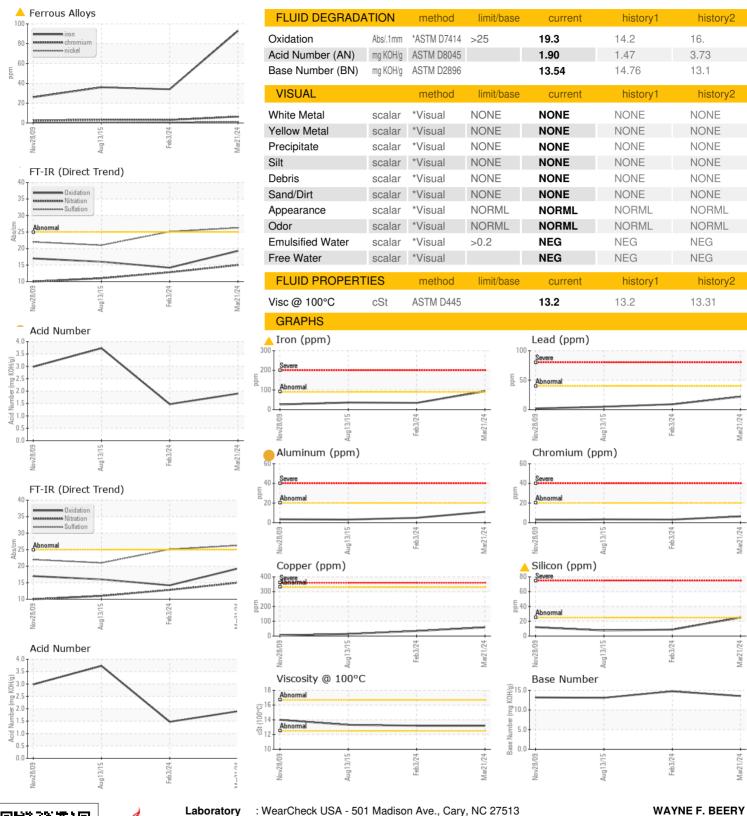
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid.

		109200	J Aug2013	1602027	GLULT	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0617372	WC0617369	WCM2179352
Sample Date		Client Info		21 Mar 2024	03 Feb 2024	13 Aug 2015
Machine Age	hrs	Client Info		1305	1848	0
Oil Age	hrs	Client Info		879	543	426
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
CONTAMINATIO	V	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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	>90	<u> </u>	34	36
Chromium	ppm	ASTM D5185m	>20	6	3	3
Nickel	ppm	ASTM D5185m	>2	1	<1	<1
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	<u> </u>	5	3
Lead	ppm	ASTM D5185m	>40	22	9	5
Copper	ppm	ASTM D5185m	>330	59	34	14
Tin	ppm	ASTM D5185m	>15	2	<1	9
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	<1	<1
Barium	ppm	ASTM D5185m		182	122	115
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		634	432	458
Calcium	ppm	ASTM D5185m		5710	4303	3925
Phosphorus	ppm	ASTM D5185m		2001	1495	1320
Zinc	ppm	ASTM D5185m		2302	1664	1410
Sulfur	ppm	ASTM D5185m		9480	6626	5753
CONTAMINANTS	,	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	25	9	8
Sodium	ppm	ASTM D5185m		6	4	5
Potassium	ppm	ASTM D5185m	>20	4	2	11
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	1.4	1.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	15.0	12.8	11.
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	25.1	21.



OIL ANALYSIS REPORT





Certificate 12367

Sample No. Lab Number

: WC0617372 : 06159306

Unique Number : 10994729 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested** : 25 Apr 2024

Diagnosed : 26 Apr 2024 - Jonathan Hester

US 22821 Contact: ANDREW/WAYNE BEERY cedarrunag@upwardprint.com

T: (540)828-1859

6696 BRIERY BRANCH RD

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: WAYDAY [WUSCAR] 06159306 (Generated: 04/26/2024 10:50:02) Rev: 1

DAYTON, VA