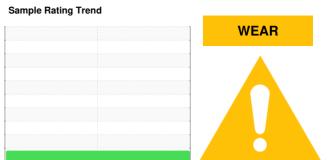


OIL ANALYSIS REPORT

PT





Machine Id
5387
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (36 QTS)

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.

Wear

Valve wear is indicated.

Contamination

There is no indication of any contamination in the

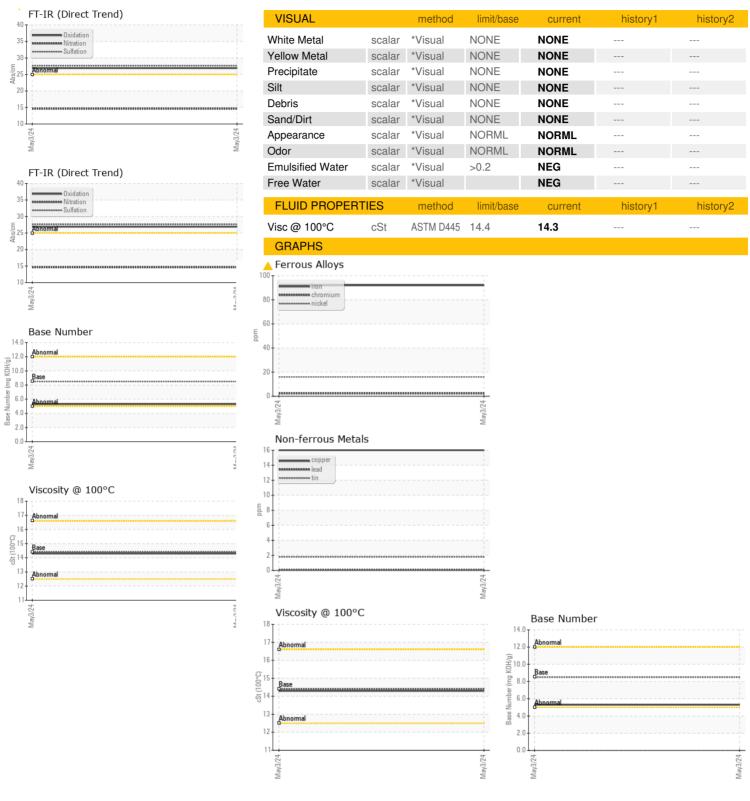
Fluid Condition

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

SAE 40 (36 QTS)				May2024	,	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0923660		
Sample Date		Client Info		03 May 2024		
Machine Age	hrs	Client Info		3401		
Oil Age	hrs	Client Info		3401		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	92		
Chromium	ppm	ASTM D5185m	>20	2		
Nickel	ppm	ASTM D5185m	>5	<u> </u>		
Titanium	ppm	ASTM D5185m	>2	0		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>20	1		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	16		
Tin	ppm	ASTM D5185m	>15	2		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	0		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	68		
Manganese	ppm	ASTM D5185m		2		
Magnesium	ppm	ASTM D5185m	450	975		
Calcium	ppm	ASTM D5185m	3000	1278		
Phosphorus	ppm	ASTM D5185m	1150	1023		
Zinc Sulfur	ppm	ASTM D5185m ASTM D5185m	1350 4250	1285		
	ppm			2551		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2		
Sodium	ppm	ASTM D5185m	>216	4		
Potassium	ppm	ASTM D5185m	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	1.7		
Nitration	Abs/cm	*ASTM D7624	>20	14.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	27.6		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	26.9		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	5.3		



OIL ANALYSIS REPORT







Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0923660 Lab Number : 06198980

Unique Number : 11061103

Received **Tested** Diagnosed

: 04 Jun 2024 : 05 Jun 2024 : 06 Jun 2024 - Sean Felton

Apple Valley Waste - Chambersburg Location 5436 Sunset Pike

Chambersburg, PA US 17202

Contact: Service Manager

Test Package : CONST (Additional Tests: TBN) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

 st - 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)

Submitted By: BOB MCQUADE

T:

F: