

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

WC0827477

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

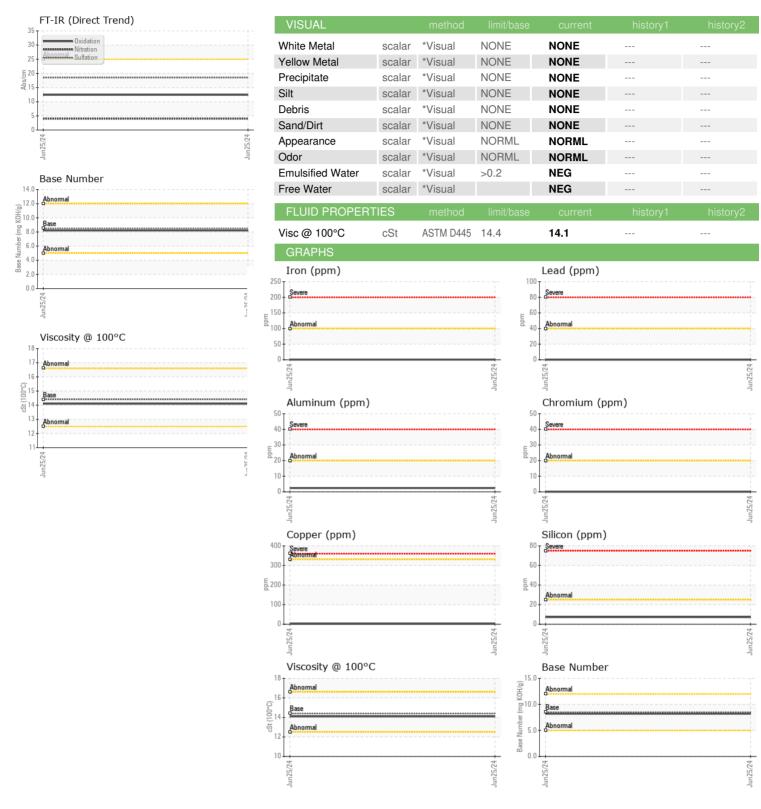
Fluid Condition

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

				Jun 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	MATION		IIIIIIVDase			HISTORYZ
Sample Number		Client Info		WC0827477		
Sample Date		Client Info		25 Jun 2024		
Machine Age	hrs	Client Info		0		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<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	<1		
Chromium	ppm	ASTM D5185m	>20	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	0		
Copper	ppm	ASTM D5185m	>330	3		
Tin	ppm	ASTM D5185m	>15	0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	398		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	81		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	450	420		
Calcium	ppm	ASTM D5185m	3000	1395		
Phosphorus	ppm	ASTM D5185m	1150	994		
Zinc	ppm	ASTM D5185m	1350	1241		
Sulfur	ppm	ASTM D5185m	4250	3822		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7		
Sodium	ppm			1		
Potassium	ppm	ASTM D5185m	>20	4		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0		
Nitration	Abs/cm	*ASTM D7624	>20	4.0		
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5		
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.4		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.2		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0827477 Lab Number : 06220577 Unique Number : 11098774

Received **Tested** Diagnosed

: 25 Jun 2024 : 27 Jun 2024

: 27 Jun 2024 - Wes Davis

PENNSBURY MANOR 400 PENNSBURY MEMORIAL RD MORRISVILLE, PA

US 19067

Contact: JOSEPH CAMELI

Test Package : MOB 1 (Additional Tests: TBN) 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: PENMOR [WUSCAR] 06220577 (Generated: 06/28/2024 03:10:25) Rev: 1

Contact/Location: JOSEPH CAMELI - PENMOR

T:

F: