

OIL ANALYSIS REPORT

Sample Rating Trend **NORMAL**

8425597 - IMMIDION LLC

Component

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.

Metal levels are typical for a components first oil change.

Contamination

There is no indication of any contamination in the

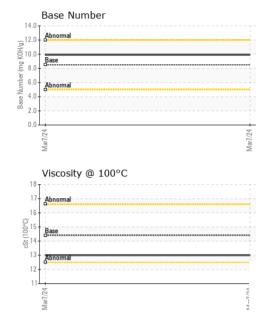
Fluid Condition

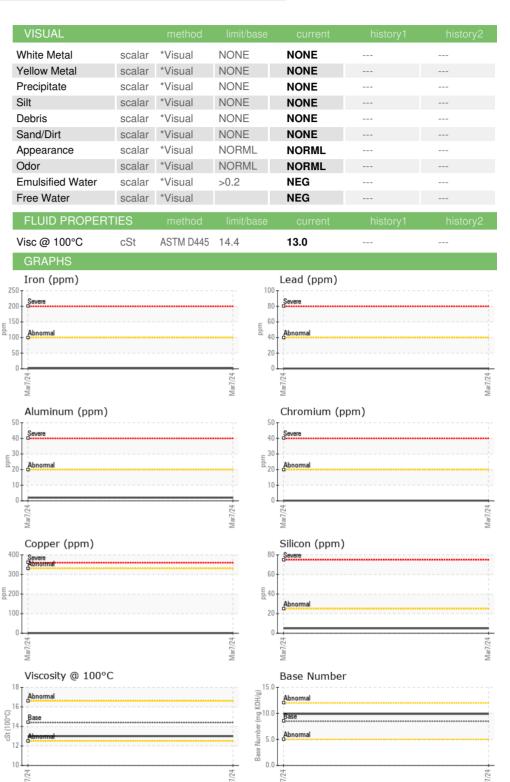
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0448673		
Sample Date		Client Info		07 Mar 2024		
Machine Age	yrs	Client Info		1		
Oil Age	yrs	Client Info		1		
Oil Changed		Client Info		Not Changd		
Sample Status				NORMAL		
CONTAMINATIO	V	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	2		
Chromium	ppm	ASTM D5185m	>20	<1		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	>3	0		
Aluminum	ppm	ASTM D5185m	>20	2		
Lead	ppm	ASTM D5185m	>40	<1		
Copper	ppm	ASTM D5185m	>330	<1		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	250	4		
Barium	ppm	ASTM D5185m	10	0		
Molybdenum	ppm	ASTM D5185m	100	62		
Manganese	ppm	ASTM D5185m		0		
Magnesium	ppm	ASTM D5185m	450	1006		
Calcium	ppm	ASTM D5185m	3000	1130		
Phosphorus	ppm	ASTM D5185m	1150	1139		
Zinc	ppm	ASTM D5185m	1350	1294		
Sulfur	ppm	ASTM D5185m	4250	3364		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5		
Sodium	ppm	ASTM D5185m	>158	1		
Potassium	ppm	ASTM D5185m	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1		
Nitration	Abs/cm	*ASTM D7624	>20	4.6		
Sulfation	Abs/.1mm	*ASTM D7415	>30	17.3		
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	12.9		
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.9		



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: 21 Mar 2024

: 22 Mar 2024

: 22 Mar 2024 - Wes Davis





Laboratory Sample No.

Lab Number : 06125530

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0448673

Received **Tested**

Unique Number : 10939681 Diagnosed

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)

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