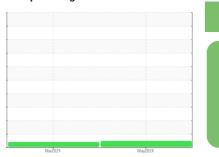


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
MCI 1914

Component
Diesel Engine

PURUS SYNTHETIC BLEND 10W30 (--- 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.

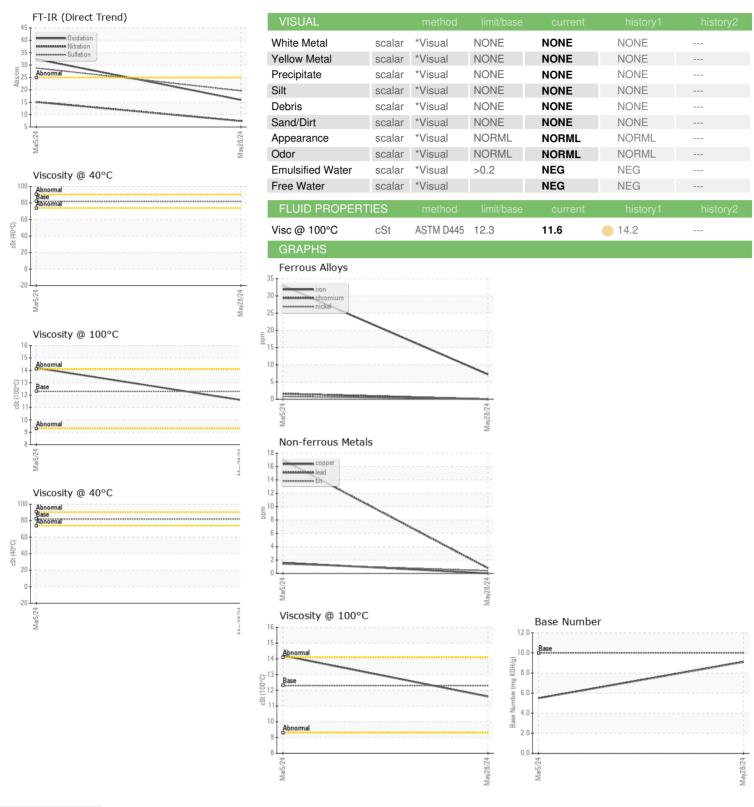
Fluid Condition

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

L)			Mar2024	May2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0859095	WC0859063	
Sample Date		Client Info		28 May 2024	05 Mar 2024	
Machine Age	mls	Client Info		623155	601685	
Oil Age	mls	Client Info		22000	23000	
Oil Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	ATTENTION	
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	
Water		WC Method	>0.2	NEG	NEG	
Glycol		WC Method		NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	7	33	
Chromium	ppm	ASTM D5185m	>20	0	2	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m		0	<1	
Silver	ppm	ASTM D5185m	>3	<1	<1	
Aluminum	ppm	ASTM D5185m	>20	3	5	
Lead	ppm	ASTM D5185m	>40	<1	17	
Copper	ppm	ASTM D5185m		0	2	
Tin	ppm	ASTM D5185m	>15	<1	1	
Vanadium	ppm	ASTM D5185m		0	<1	
Cadmium	ppm	ASTM D5185m		<1	0	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	20	
Barium	ppm	ASTM D5185m		0	0	
Molybdenum	ppm	ASTM D5185m		63	65	
Manganese	ppm	ASTM D5185m		<1	<1	
Magnesium	ppm	ASTM D5185m		1049	931	
Calcium	ppm	ASTM D5185m		1144	1339	
Phosphorus	ppm	ASTM D5185m		1141	938	
Zinc	ppm	ASTM D5185m		1372	1156	
Sulfur	ppm	ASTM D5185m		4079	3156	
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	8	11	
Sodium	ppm	ASTM D5185m		2	26	
Potassium	ppm	ASTM D5185m	>20	2	22	
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.8	
Nitration	Abs/cm	*ASTM D7624	>20	7.4	15.1	
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	28.8	
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	32.4	
Base Number (BN)	mg KOH/g	ASTM D2896	10	9.1	5.5	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

Lab Number : 06208302 Unique Number : 11075763

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0859095 Received **Tested**

: 12 Jun 2024 : 14 Jun 2024 Diagnosed Test Package: FLEET (Additional Tests: KV40)

: 14 Jun 2024 - Don Baldridge

1830 4TH AVE N BILLINGS, MT US 59101 Contact: BILLINGS SHOP billingsshop@jeffersonlines.com T:

JEFFERSON LINES

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)

Contact/Location: BILLINGS SHOP? - JEFBIL

F: