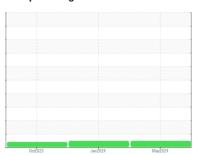


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
MCI 2044

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.

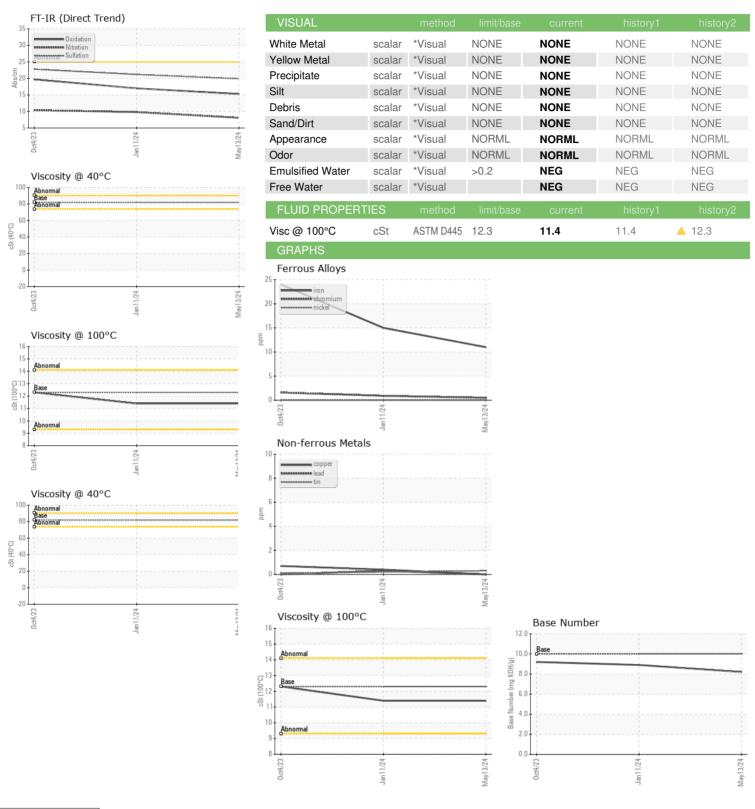
Fluid Condition

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

Oc2023 Jan2024 May2024						
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0859087	WC0859041	WC0859005
Sample Date		Client Info		13 May 2024	11 Jan 2024	04 Oct 2023
Machine Age	mls	Client Info		339337	301809	275941
Oil Age	mls	Client Info		18000	26000	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	MARGINAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	0.3
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	11	15	24
Chromium	ppm	ASTM D5185m	>20	<1	<1	2
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	2	3	3
Lead	ppm	ASTM D5185m	>40	0	<1	0
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		7	27	21
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		59	76	118
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		942	976	1782
Calcium	ppm	ASTM D5185m		1097	1121	1906
Phosphorus	ppm	ASTM D5185m		1017	1126	1838
Zinc	ppm	ASTM D5185m		1278	1255	2153
Sulfur	ppm	ASTM D5185m		3707	3413	5679
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	8	13
Sodium	ppm	ASTM D5185m		<1	1	4
Potassium	ppm	ASTM D5185m	>20	1	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>6	0.7	1.1	0.8
Nitration	Abs/cm	*ASTM D7624	>20	8.1	9.8	10.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	21.2	22.8
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.3	17.0	19.7
Base Number (BN)	mg KOH/g	ASTM D2896	10	8.2	8.9	9.2



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: WC0859087 Lab Number : 06208322 Unique Number : 11075783

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jun 2024 **Tested** : 14 Jun 2024

Diagnosed : 14 Jun 2024 - Don Baldridge

Test Package : FLEET (Additional Tests: KV40) 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)

Contact: BILLINGS SHOP billingsshop@jeffersonlines.com T:

Report Id: JEFBIL [WUSCAR] 06208322 (Generated: 06/15/2024 12:03:49) Rev: 1

Contact/Location: BILLINGS SHOP? - JEFBIL

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