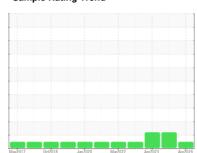


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



CONSTRUCTORS, INC 040692

Gasoline Engine

MOBIL 1 5W30 (--- 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

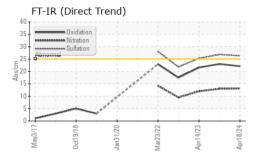
Fluid Condition

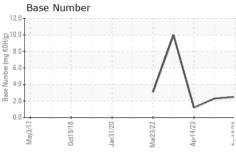
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

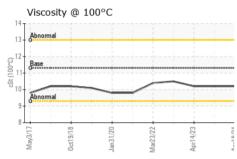
SAMPLE INFORM		m other al	lipoit/le e e	o	biotomit	hiota w.C.
	MATION	method	limit/base		history1	history2
Sample Number		Client Info		SBP0005770	SBP0004569	SBP0003735
Sample Date		Client Info		18 Apr 2024	28 Sep 2023	14 Apr 2023
Machine Age	hrs	Client Info		6895	6542	6218
Oil Age	hrs	Client Info		353	324	353
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL
CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>4.0	<1.0	<1.0	<1.0
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	>150	44	25	43
Chromium	ppm	ASTM D5185m	>20	2	1	2
Nickel	ppm	ASTM D5185m	>5	2	<1	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>40	9	5	8
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>155	9	10	12
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	94	39	23	26
Barium	ppm	ASTM D5185m	0.0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0.0	72	70	69
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	1388	499	514	473
Calcium	ppm	ASTM D5185m	820	1196	1178	1155
Phosphorus	ppm	ASTM D5185m	720	664	677	627
Zinc	ppm	ASTM D5185m	780	808	799	753
Sulfur	ppm	ASTM D5185m	2240	2790	2680	2402
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>30	13	13	16
Sodium	ppm	ASTM D5185m	>400	6	3	5
Potassium	ppm	ASTM D5185m	>20	2	<1	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		0.1	0	0.1
Nitration	Abs/cm	*ASTM D7624	>20	13.1	13.0	12.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.3	26.8	25.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	22.1	23.0	21.6
Base Number (BN)	mg KOH/g	ASTM D2896		2.5	<u>△</u> 2.3	▲ 1.2
()	3 9					

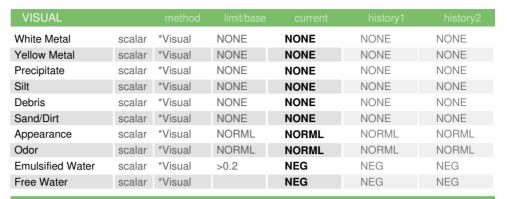


OIL ANALYSIS REPORT

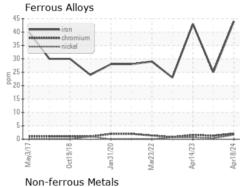


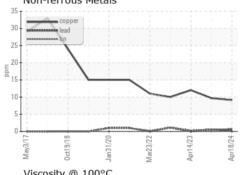


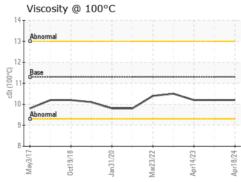


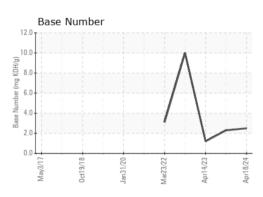


FLUID PROPERTIES		method				history2
Visc @ 100°C	cSt	ASTM D445	11.3	10.2	10.2	10.2













Certificate 12367

Laboratory Sample No.

: SBP0005770 Lab Number : 06156637 Unique Number : 10992060 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** : 23 Apr 2024

Diagnosed : 23 Apr 2024 - Wes Davis

Constructors Inc. - 603659 1815 Y Street Lincoln, NE

US 68508 Contact: Loren Michael

LorenM@constructorslincoln.com T: (402)434-2157

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)