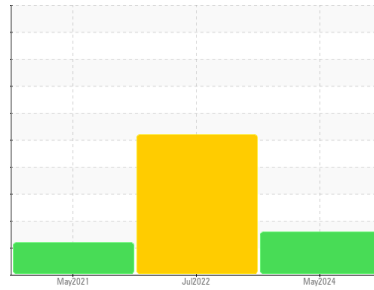




OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area

HER SON [CONHER]

Machine Id

RF-NEON 2005

Component

Front Gasoline Engine

Fluid

MOBIL 1 SAE 10W30 (5 LTR)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Elemental level of silicon (Si) above normal indicating ingress of seal material.

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 INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		KL0012276	KL0010190	KL0006064
Sample Date	Client Info		15 May 2024	04 Jul 2022	10 May 2021
Machine Age	kms	Client Info	204591	195385	186842
Oil Age	kms	Client Info	8000	4325	3833
Oil Changed	Client Info		Changed	Not Changd	Not Changd
Sample Status			ABNORMAL	SEVERE	ATTENTION

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	▲ 2.2
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	10	19	6
Chromium	ppm	ASTM D5185m	>20	0	1	<1
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	0	<1
Aluminum	ppm	ASTM D5185m	>40	2	7	<1
Lead	ppm	ASTM D5185m	>50	<1	<1	0
Copper	ppm	ASTM D5185m	>155	2	2	2
Tin	ppm	ASTM D5185m	>10	0	<1	0
Antimony	ppm	ASTM D5185m		---	---	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		27	42	19
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		41	59	8
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		605	504	53
Calcium	ppm	ASTM D5185m		858	943	1875
Phosphorus	ppm	ASTM D5185m		614	691	654
Zinc	ppm	ASTM D5185m		688	768	723
Sulfur	ppm	ASTM D5185m		3346	5512	2225

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>30	▲ 46	▲ 88	6
Sodium	ppm	ASTM D5185m	>400	5	16	42
Potassium	ppm	ASTM D5185m	>20	0	4	1

INFRA-RED

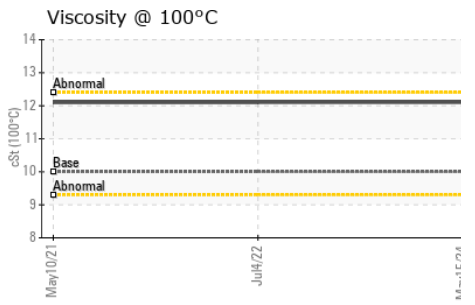
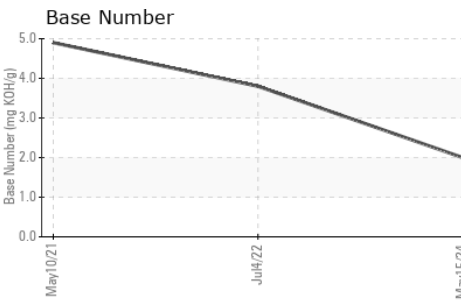
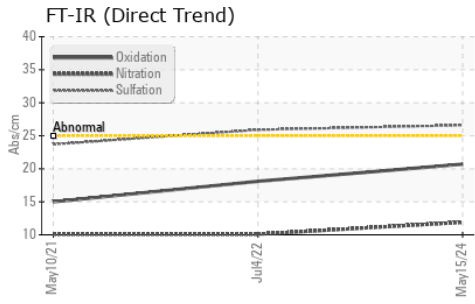
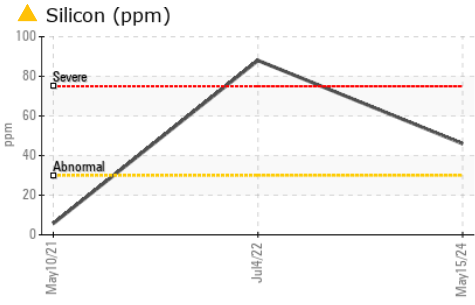
	method	limit/base	current	history1	history2	
Soot %	%	*ASTM D7844		0.1	0	
Nitration	Abs/cm	*ASTM D7624	>20	11.9	10.1	10.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	26.6	25.9	23.7

FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	*ASTM D7414	>25	20.7	18.1	15
Base Number (BN)	mg KOH/g	ASTM D2896		2.0	3.8	4.90



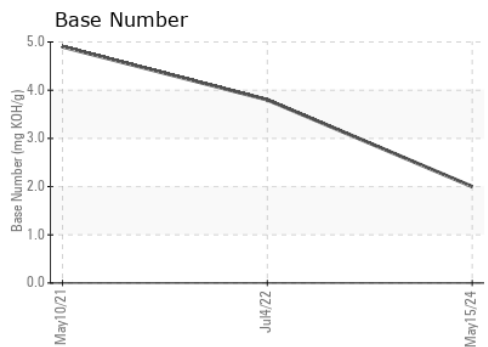
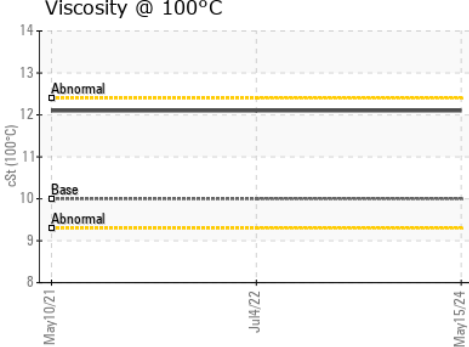
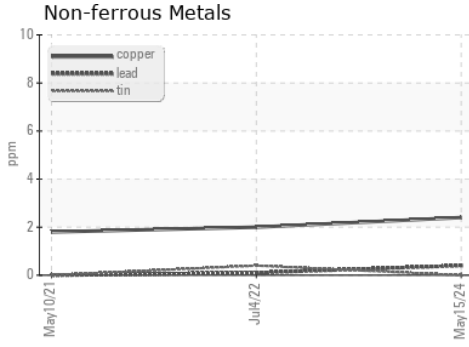
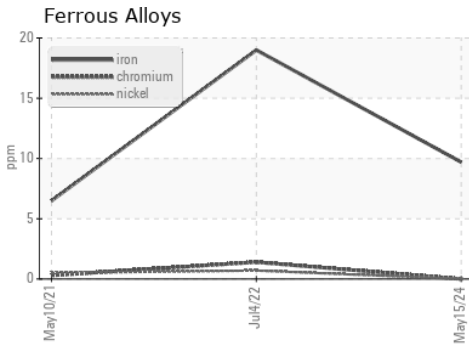
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445 10	12.1	12.1	12.1

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012276 **Received** : 20 May 2024
Lab Number : 06184048 **Tested** : 21 May 2024
Unique Number : 11035374 **Diagnosed** : 21 May 2024 - Sean Felton
Test Package : FLEET

CONOR
 JUAREZ 348
 HERMOSILLO,
 MX 83140

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)