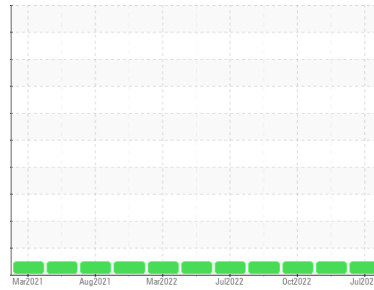




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
ALMEDA INJECTION PUMP 1 820PM18021
 Component
Natural Gas Engine
 Fluid
MOBIL PEGASUS 805 (--- 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	RP0026915	RP0026930	RP0017992
Sample Date	Client Info	13 Jul 2023	07 Feb 2023	03 Oct 2022
Machine Age	hrs Client Info	0	0	0
Oil Age	hrs Client Info	0	0	0
Oil Changed	Client Info	N/A	N/A	Not Changd
Sample Status		NORMAL	NORMAL	NORMAL

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >50	83	76	63
Chromium	ppm ASTM D5185m >4	2	3	2
Nickel	ppm ASTM D5185m >2	<1	<1	0
Titanium	ppm ASTM D5185m	<1	<1	<1
Silver	ppm ASTM D5185m >3	0	0	0
Aluminum	ppm ASTM D5185m >9	4	6	5
Lead	ppm ASTM D5185m >30	8	8	7
Copper	ppm ASTM D5185m >35	9	10	9
Tin	ppm ASTM D5185m >4	2	2	1
Vanadium	ppm ASTM D5185m	<1	0	0
Cadmium	ppm ASTM D5185m	0	0	0

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 80	4	2	3
Barium	ppm ASTM D5185m	0	0	<1
Molybdenum	ppm ASTM D5185m	7	7	7
Manganese	ppm ASTM D5185m	<1	<1	<1
Magnesium	ppm ASTM D5185m	56	47	50
Calcium	ppm ASTM D5185m 1020	1015	1045	1078
Phosphorus	ppm ASTM D5185m 220	322	309	312
Zinc	ppm ASTM D5185m 230	347	338	357

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >+100	5	6	5
Sodium	ppm ASTM D5185m	6	7	5
Potassium	ppm ASTM D5185m >20	<1	0	0
Water	% ASTM D6304 >0.1	0.057	---	0.048
ppm Water	ppm ASTM D6304 >1000	572.7	---	487.6

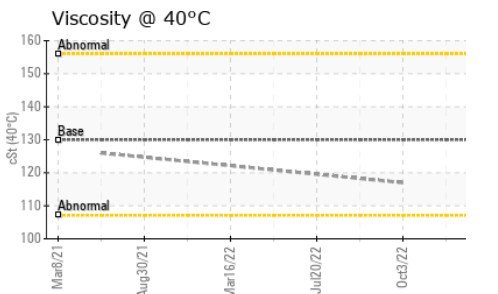
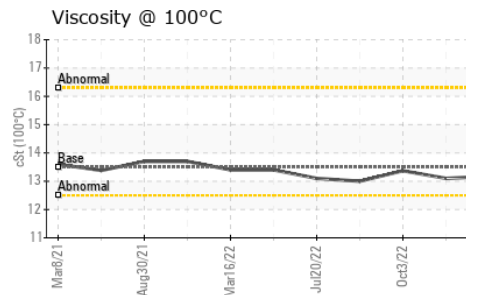
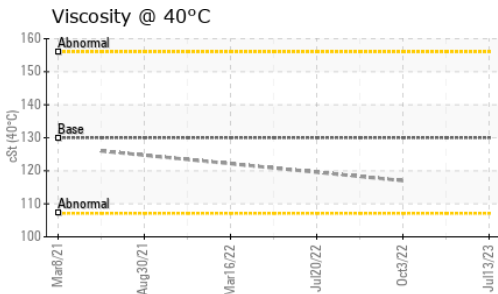
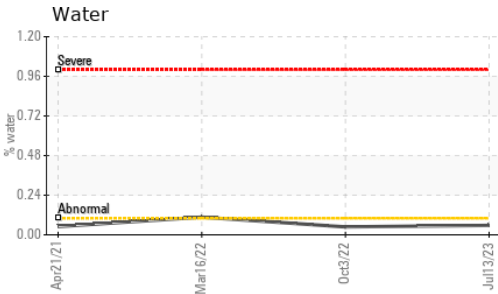
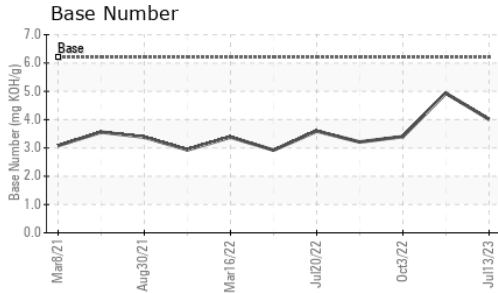
INFRA-RED

method	limit/base	current	history1	history2
Soot %	% *ASTM D7844	0	0.1	0.1
Nitration	Abs/cm *ASTM D7624 >20	6.8	6.9	7.4
Sulfation	Abs/.1mm *ASTM D7415 >30	16.4	16.8	18.4

FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm *ASTM D7414 >25	12.0	12.4	13.7
Acid Number (AN)	mg KOH/g ASTM D8045 1.0	1.09	---	0.75
Base Number (BN)	mg KOH/g ASTM D2896 6.2	4.01	4.93	3.40

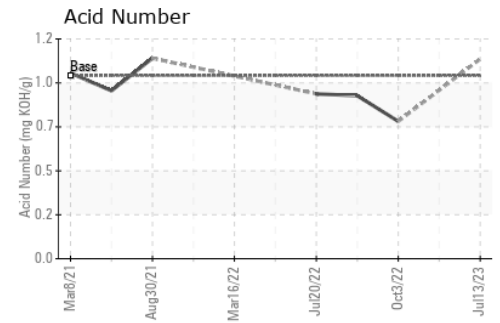
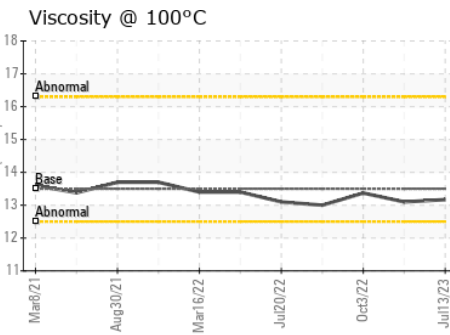
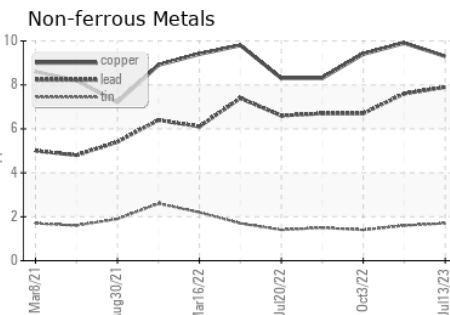
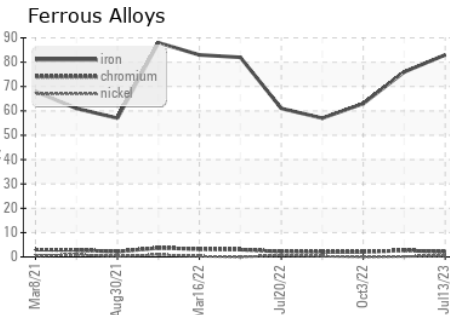
OIL ANALYSIS REPORT



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	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	130.0	---	117
Visc @ 100°C	cSt	ASTM D445	13.5	13.1	13.37
Viscosity Index (VI)	Scale	ASTM D2270	99	---	110

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0026915 **Received** : 20 Jul 2023
Lab Number : 05903358 **Diagnosed** : 27 Jul 2023
Unique Number : 10564714 **Diagnostician** : Jonathan Hester
Test Package : IND 2 (Additional Tests: FT-IR, KV100, TBN, VI)

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 LA PORTE, TX
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 T: (713)575-4112
 F:

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)