



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area
[CONHER]

Machine Id
LACO - Bas line Mobil 600 XP 150

Component
New (Unused) Oil
Fluid
Mobilgear 629 (--- GAL)

DIAGNOSIS

▲ Recommendation

This is a baseline read-out on the submitted sample.

▲ Contamination

There is a moderate amount of particulates present in the oil.

SAMPLE INFORMATION

	method	limit/base	current	history 1	history 2
Sample Number	Client Info		KL0012339	---	---
Sample Date	Client Info		18 Apr 2023	---	---
Machine Age	hrs	Client Info	0	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ATTENTION	---	---

WEAR METALS

	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185m	0	---	---
Chromium	ppm	ASTM D5185m	0	---	---
Nickel	ppm	ASTM D5185m	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m	<1	---	---
Lead	ppm	ASTM D5185m	0	---	---
Copper	ppm	ASTM D5185m	0	---	---
Tin	ppm	ASTM D5185m	0	---	---
Vanadium	ppm	ASTM D5185m	0	---	---
Cadmium	ppm	ASTM D5185m	0	---	---

ADDITIVES

	method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185m	39	---	---
Barium	ppm	ASTM D5185m	0	---	---
Molybdenum	ppm	ASTM D5185m	0	---	---
Manganese	ppm	ASTM D5185m	<1	---	---
Magnesium	ppm	ASTM D5185m	1	---	---
Calcium	ppm	ASTM D5185m	0	---	---
Phosphorus	ppm	ASTM D5185m	323	---	---
Zinc	ppm	ASTM D5185m	0	---	---
Sulfur	ppm	ASTM D5185m	11123	---	---

CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185m	<1	---	---
Sodium	ppm	ASTM D5185m	<1	---	---
Potassium	ppm	ASTM D5185m	>20	---	---

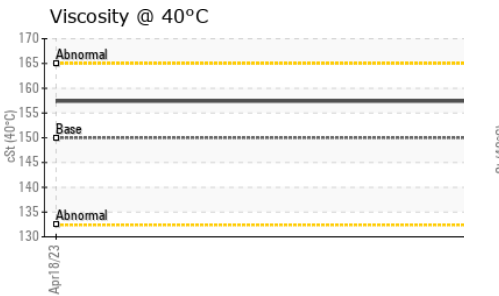
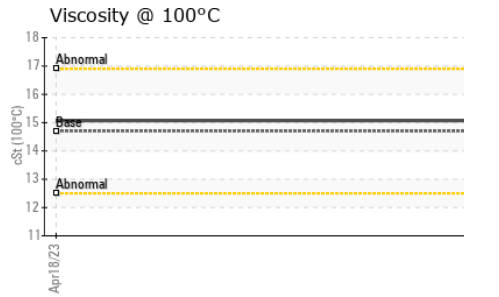
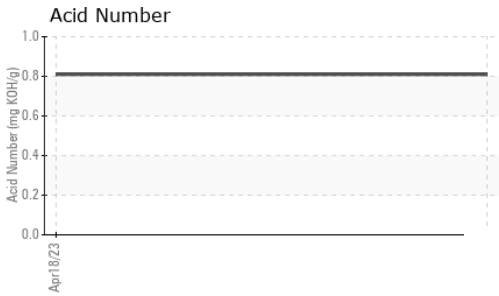
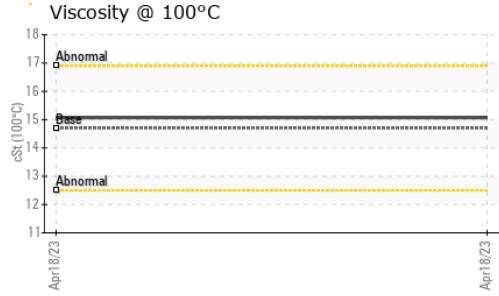
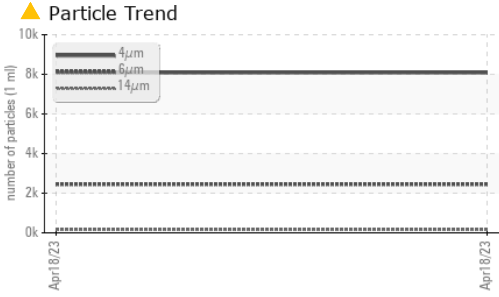
FLUID CLEANLINESS

	method	limit/base	current	history 1	history 2
Particles >4µm	ASTM D7647		8084	---	---
Particles >6µm	ASTM D7647	>1300	▲ 2452	---	---
Particles >14µm	ASTM D7647	>160	▲ 162	---	---
Particles >21µm	ASTM D7647	>40	38	---	---
Particles >38µm	ASTM D7647	>10	0	---	---
Particles >71µm	ASTM D7647	>3	0	---	---
Oil Cleanliness	ISO 4406 (c)	>17/14	▲ 18/15	---	---

FLUID DEGRADATION

	method	limit/base	current	history 1	history 2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.81	---	---

OIL ANALYSIS REPORT

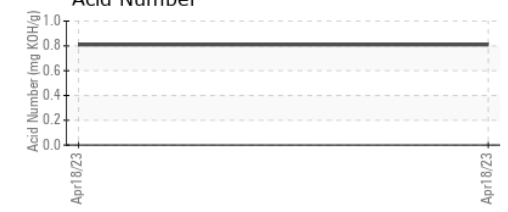
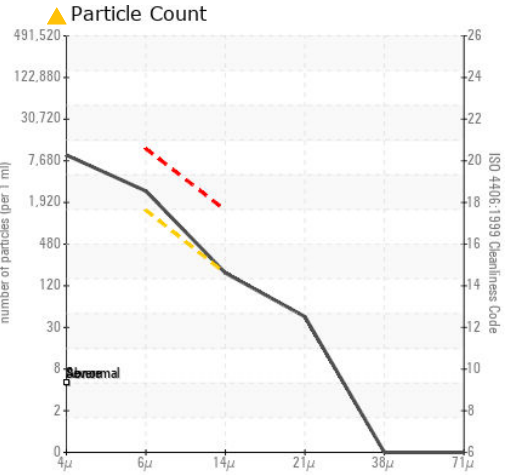
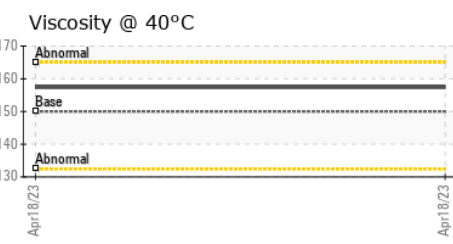
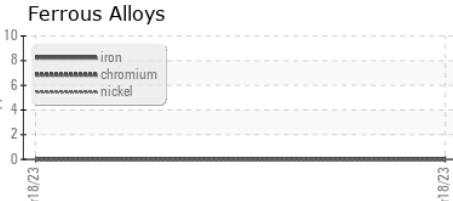


VISUAL	method	limit/base	current	history 1	history 2	
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	LIGHT	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual		NEG	---	---
Free Water	scalar	*Visual		NEG	---	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2	
Visc @ 40°C	cSt	ASTM D445	150	157.4	---	---
Visc @ 100°C	cSt	ASTM D445	14.7	15.07	---	---
Viscosity Index (VI)	Scale	ASTM D2270	97	95	---	---

SAMPLE IMAGES	method	limit/base	current	history 1	history 2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KL0012339 **Received** : 27 Apr 2023
Lab Number : 05832277 **Diagnosed** : 01 May 2023
Unique Number : 10445770 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, VIContact: EDUARDO GARCIA

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Certificate L2367
 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)