OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

Area
WVT
Machine Id
MOBIL Pegasus™ 605 Ultra 40
Component
New (Unused) Oil
Fluid
MOBIL Pegasus™ 605 Ultra 40 (--- GAL)

DIAGNOSIS

Recommendation
This is a baseline read-out on the submitted sample. (Customer Sample Comment: This is a new oil sample of the mobile 605 ultra 40)

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0895557**	---	---
Sample Date		Client Info		**29 Mar 2024**	---	---
Machine Age	hrs	Client Info		**0**	---	---
Oil Age	hrs	Client Info		**0**	---	---
Oil Changed		Client Info		**N/A**	---	---
Sample Status				**NORMAL**	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.1	**NEG**	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>45	**0**	---	---
Chromium	ppm	ASTM D5185m	>2	**0**	---	---
Nickel	ppm	ASTM D5185m	>2	**0**	---	---
Titanium	ppm	ASTM D5185m		**0**	---	---
Silver	ppm	ASTM D5185m	>5	**0**	---	---
Aluminum	ppm	ASTM D5185m	>10	**2**	---	---
Lead	ppm	ASTM D5185m	>5	**0**	---	---
Copper	ppm	ASTM D5185m	>14	**0**	---	---
Tin	ppm	ASTM D5185m	>13	**<1**	---	---
Vanadium	ppm	ASTM D5185m		**0**	---	---
Cadmium	ppm	ASTM D5185m		**0**	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**171**	---	---
Barium	ppm	ASTM D5185m		**0**	---	---
Molybdenum	ppm	ASTM D5185m		**0**	---	---
Manganese	ppm	ASTM D5185m		**<1**	---	---
Magnesium	ppm	ASTM D5185m		**9**	---	---
Calcium	ppm	ASTM D5185m		**1474**	---	---
Phosphorus	ppm	ASTM D5185m		**456**	---	---
Zinc	ppm	ASTM D5185m		**518**	---	---
Sulfur	ppm	ASTM D5185m		**3854**	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>200	**4**	---	---
Sodium	ppm	ASTM D5185m		**<1**	---	---
Potassium	ppm	ASTM D5185m	>20	**0**	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.814**	---	---
Base Number (BN)	mg KOH/g	ASTM D2896	5.7	**5.27**	---	---

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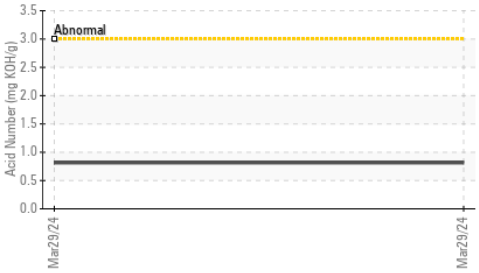
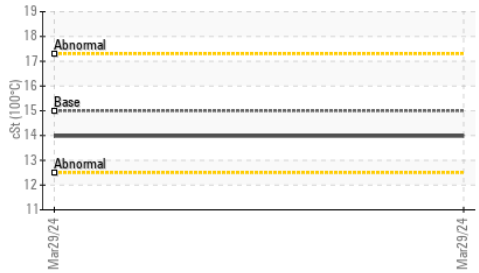
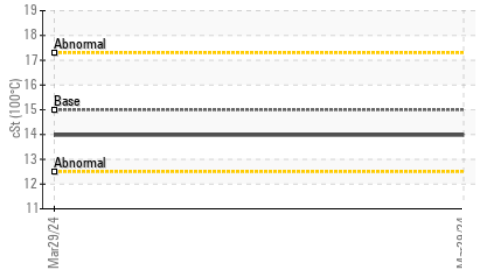
Acid Number



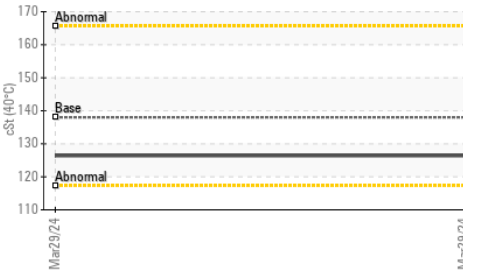
Viscosity @ 100°C



Viscosity @ 100°C

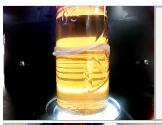


Viscosity @ 40°C



VISUAL		method	limit/base	current	history1	history2
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	**NONE**	---	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	---	---
Appearance	scalar	*Visual	NORML	**NORML**	---	---
Odor	scalar	*Visual	NORML	**NORML**	---	---
Emulsified Water	scalar	*Visual	>0.1	**NEG**	---	---
Free Water	scalar	*Visual		**NEG**	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	138	**126.4**	---	---
Visc @ 100°C	cSt	ASTM D445	15	**13.98**	---	---
Viscosity Index (VI)	Scale	ASTM D2270	110	**108**	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				*no image*	*no image*
Bottom				*no image*	*no image*

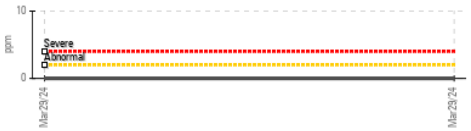
GRAPHS

Iron (ppm)

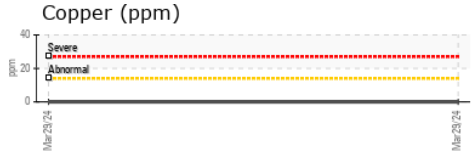
Lead (ppm)

Aluminum (ppm)

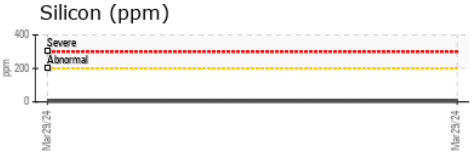
Chromium (ppm)



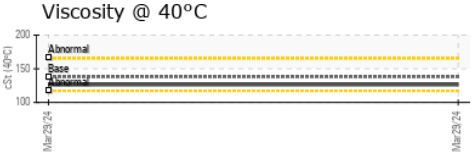
Copper (ppm)



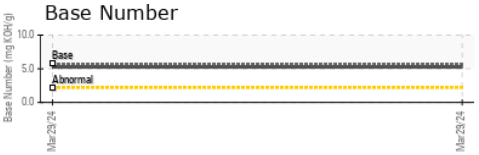
Silicon (ppm)



Viscosity @ 40°C



Base Number



ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0895557 **Received** : 02 Apr 2024
Lab Number : 06136721 **Tested** : 05 Apr 2024
Unique Number : 10956186 **Diagnosed** : 05 Apr 2024 - Doug Bogart
Test Package : MOB 2 (Additional Tests: FT-IR, KV100, TBN, VI)

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)

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