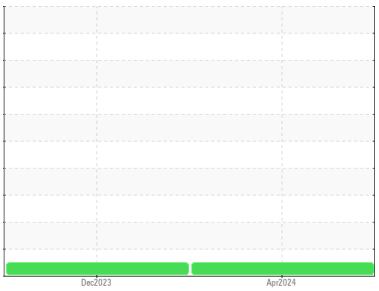
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
MOBIL Pegasus™ 605 Ultra 40 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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WC0840773**	WC0840783	---
Sample Date		Client Info		**01 Apr 2024**	04 Dec 2023	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**N/A**	N/A	---
Sample Status				**NORMAL**	NORMAL	---

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

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**163**	178	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**5**	1	---
Manganese	ppm	ASTM D5185m		**<1**	<1	---
Magnesium	ppm	ASTM D5185m		**54**	34	---
Calcium	ppm	ASTM D5185m		**1408**	1394	---
Phosphorus	ppm	ASTM D5185m		**491**	456	---
Zinc	ppm	ASTM D5185m		**548**	535	---
Sulfur	ppm	ASTM D5185m		**3736**	3359	---

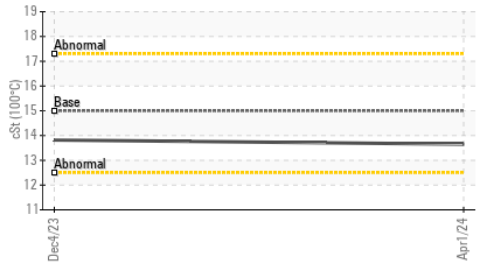
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**5**	4	---
Sodium	ppm	ASTM D5185m		**<1**	1	---
Potassium	ppm	ASTM D5185m	>20	**0**	0	---
Water	%	ASTM D6304		**NEG**	NEG	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**1.39**	0.99	---
Base Number (BN)	mg KOH/g	ASTM D2896	5.7	**5.79**	5.95	---

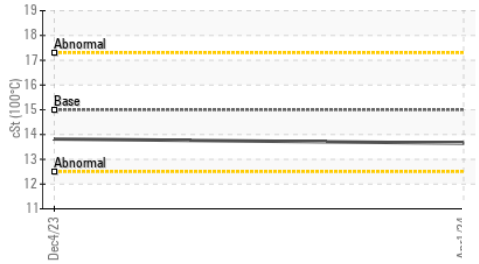
OIL ANALYSIS REPORT

Base Number

Viscosity @ 100°C



Viscosity @ 100°C



Viscosity @ 40°C

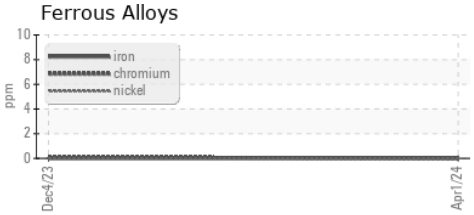
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	138	**121.2**	122.1	---
Visc @ 100°C	cSt	ASTM D445	15	**13.65**	13.82	---
Viscosity Index (VI)	Scale	ASTM D2270	110	**109**	110	---

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

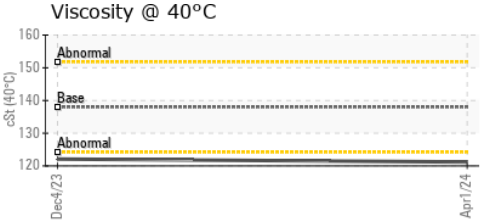
GRAPHS

Ferrous Alloys

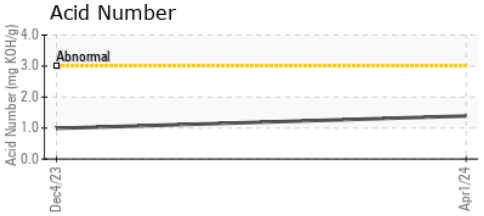


Non-ferrous Metals

Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0840773 **Received** : 03 Apr 2024
Lab Number : 06137846 **Tested** : 08 Apr 2024
Unique Number : 10962654 **Diagnosed** : 08 Apr 2024 - Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, 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)

EDL NA Recips-Pinconning
Pinconning Powerstation, 2403 E. Whitefeather Road
Pinconning, MI
US 48650
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Report Id: EDLPIN [WUSCAR] 06137846 (Generated: 04/08/2024 12:30:47) Rev: 1

Submitted By: Kevin Ackerman