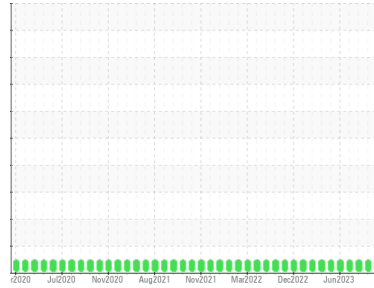




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
BULK SHELL MYSELLA S3 N 40

Component
New (Unused) Oil

Fluid
SHELL SHELL MYSELLA S3 N 40 (--- GAL)

DIAGNOSIS

Recommendation

This is a baseline read-out on the submitted sample. (Customer Sample Comment: Fresh Engine Oil)

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0775296	WC0775277	WC0775285
Sample Date	Client Info			10 Jan 2024	22 Nov 2023	05 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

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

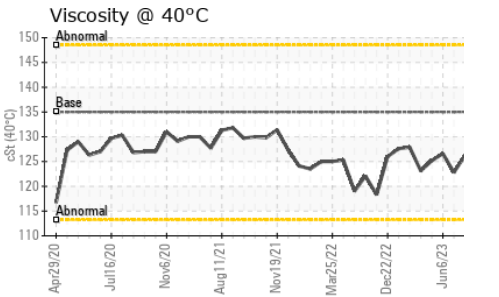
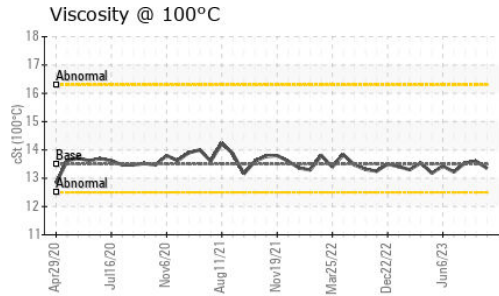
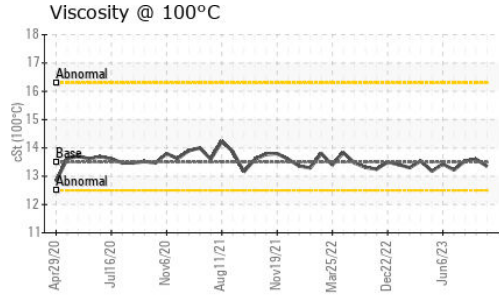
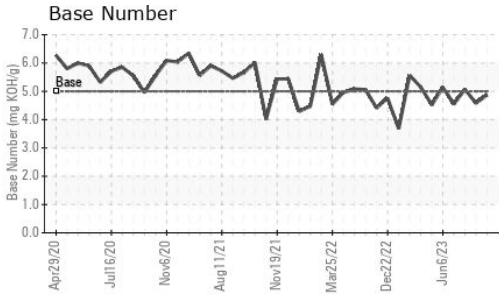
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	0	2
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m		6	0	2
Calcium	ppm	ASTM D5185m		1373	1386	1358
Phosphorus	ppm	ASTM D5185m		315	267	285
Zinc	ppm	ASTM D5185m		353	333	343
Sulfur	ppm	ASTM D5185m		2848	2682	2791

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	7	7	7
Sodium	ppm	ASTM D5185m		1	1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water	%	ASTM D6304		NEG	NEG	NEG

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.275	0.258	0.543
Base Number (BN)	mg KOH/g	ASTM D2896	5	4.87	4.58	5.07



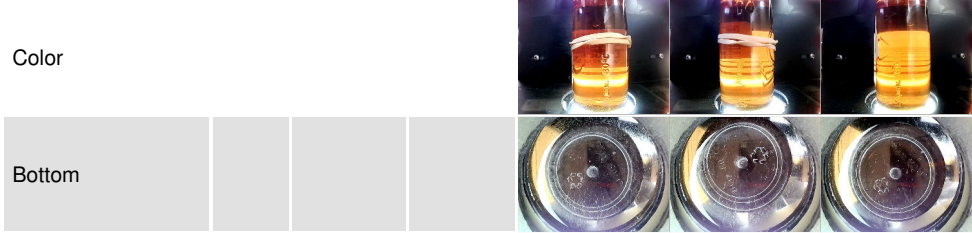
OIL ANALYSIS REPORT



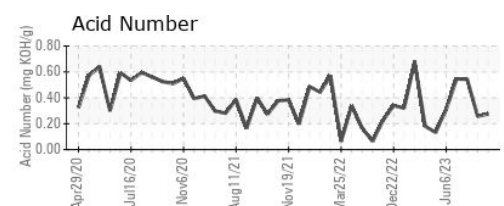
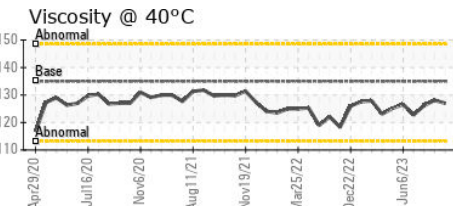
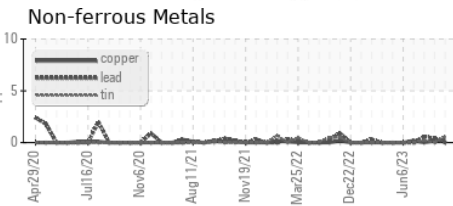
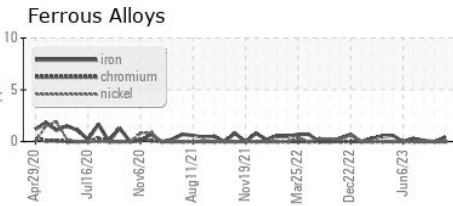
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	135	127.0	128.1
Visc @ 100°C	cSt	ASTM D445	13.5	13.35	13.6
Viscosity Index (VI)	Scale	ASTM D2270	94	99	101

SAMPLE IMAGES



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0775296 **Received** : 12 Jan 2024
Lab Number : 06059729 **Diagnosed** : 17 Jan 2024
Unique Number : 10831111 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KF, KV100, PrtCount, TBN, VI)

EDL NA Recips-Morgantown
 Morgantown Powerstation, 950 Shiloh
 Morgantown, PA
 US 19543
 Contact: ARON GUNN
 aron.gunn@edlenergy.com

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)

T:
F: