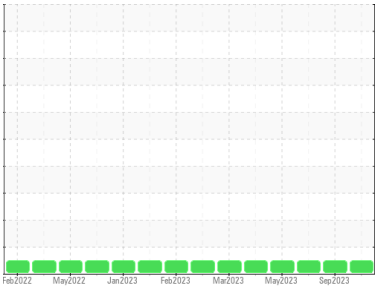
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Machine Id
BULK SHELL MYSELLA S5
Component
New (Unused) Oil
Fluid
SHELL MYSELLA S5 S (--- 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		**WC0775432**	WC0775334	WC0775333
Sample Date		Client Info		**12 Oct 2023**	15 Sep 2023	28 Jul 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	Not Changd
Sample Status				**NORMAL**	NORMAL	NORMAL

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

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	4	2
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**2**	6	<1
Manganese	ppm	ASTM D5185m		**<1**	<1	0
Magnesium	ppm	ASTM D5185m		**6**	15	11
Calcium	ppm	ASTM D5185m		**1372**	1593	1310
Phosphorus	ppm	ASTM D5185m	300	**333**	333	270
Zinc	ppm	ASTM D5185m		**403**	377	321
Sulfur	ppm	ASTM D5185m		**2994**	3661	2996

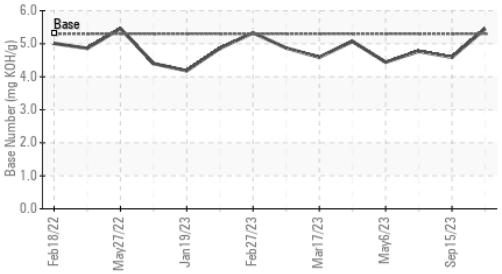
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	**6**	7	6
Sodium	ppm	ASTM D5185m		**0**	1	<1
Potassium	ppm	ASTM D5185m	>20	**0**	1	0

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844		**---**	---	---
Nitration	Abs/cm	*ASTM D7624		**---**	---	---
Sulfation	Abs/.1mm	*ASTM D7415		**---**	---	---

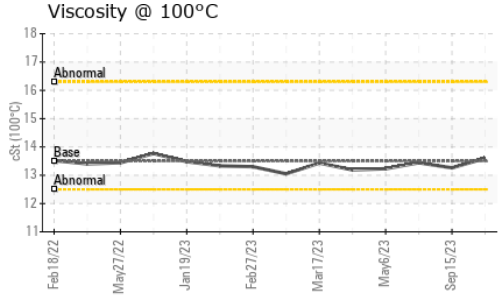
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414		**---**	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		**0.648**	0.611	0.35
Base Number (BN)	mg KOH/g	ASTM D2896	5.3	**5.45**	4.59	4.77

OIL ANALYSIS REPORT

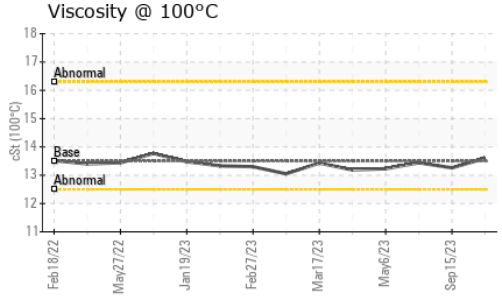
Base Number



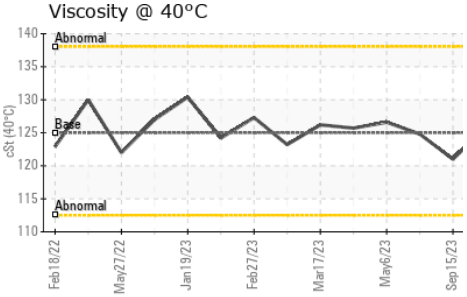
Viscosity @ 100°C



Viscosity @ 100°C



Viscosity @ 40°C



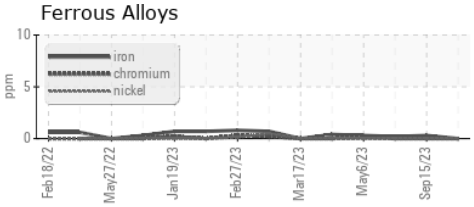
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	NORML
Odor	scalar	*Visual	NORML	**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	125	**125.8**	121.0	124.8
Visc @ 100°C	cSt	ASTM D445	13.5	**13.6**	13.26	13.44
Viscosity Index (VI)	Scale	ASTM D2270	103	**103**	104	102

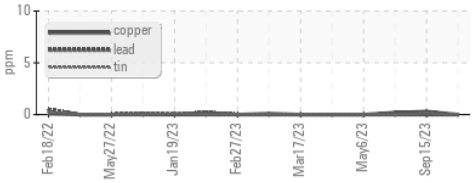
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS

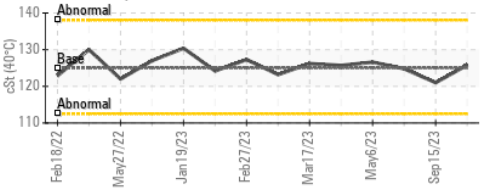
Ferrous Alloys



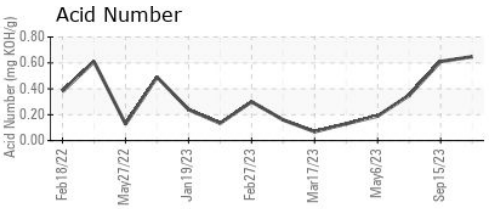
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0775432 **Received** : 16 Oct 2023
Lab Number : 05980079 **Diagnosed** : 19 Oct 2023
Unique Number : 10697374 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, 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-Honeybrook
Honey Brook Powerstation, 481 S. Churchtown Road
Narvon, PA
US 17555-9574
Contact: Christian Adames
Christian.Adames@edlenergy.com
T:
F: