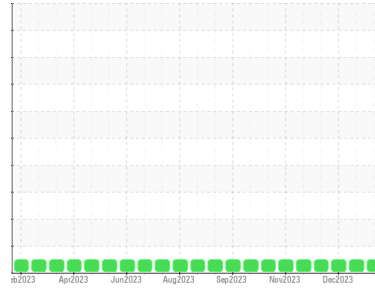




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
Hancock New Oil

Component
New (Unused) Oil

Fluid
CHEVRON HDAX LFG SAE 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			WC0851247	WC0851243	WC0851257
Sample Date	Client Info			25 Jan 2024	12 Jan 2024	28 Dec 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

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method			NEG	NEG	NEG

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

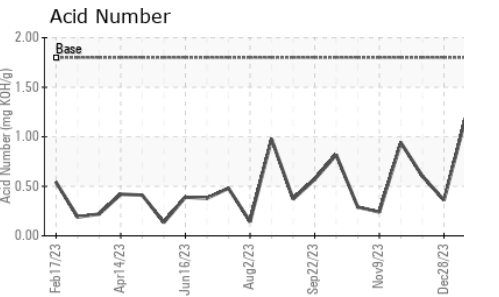
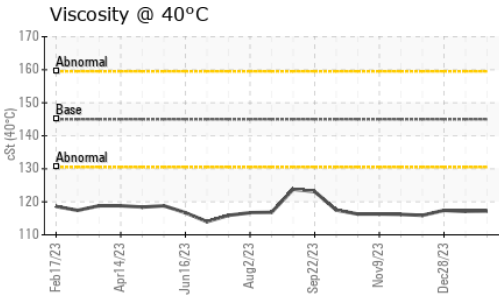
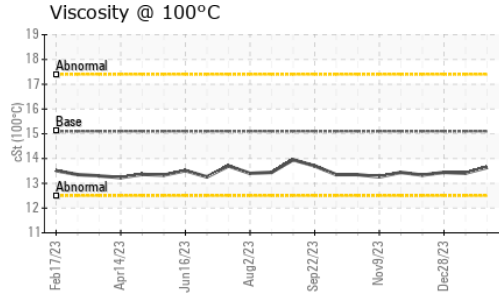
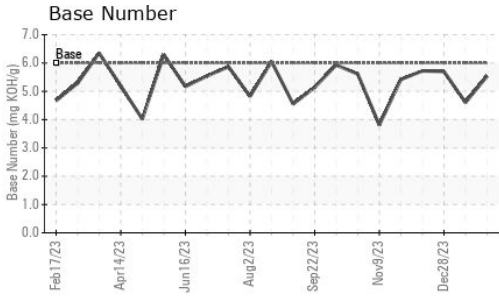
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	3	0
Barium	ppm	ASTM D5185m		0	0	4
Molybdenum	ppm	ASTM D5185m		1	1	0
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		0	7	9
Calcium	ppm	ASTM D5185m		1688	1668	1665
Phosphorus	ppm	ASTM D5185m	270	247	257	294
Zinc	ppm	ASTM D5185m	310	287	319	314
Sulfur	ppm	ASTM D5185m		1461	1478	1575

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	8	6	0
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	0	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.542	1.18	0.36
Base Number (BN)	mg KOH/g	ASTM D2896	6.0	5.54	4.60	5.70



OIL ANALYSIS REPORT

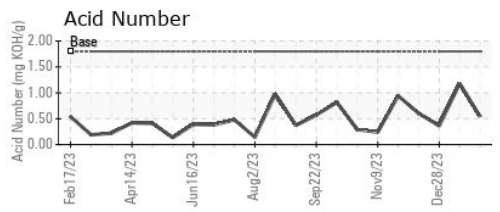
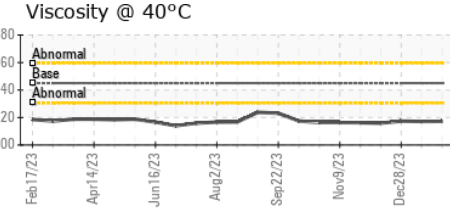
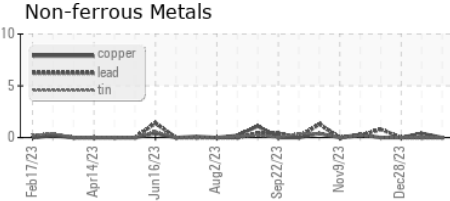
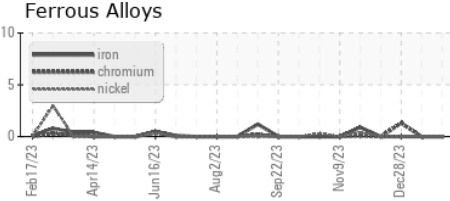


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	145	117.2	117.1	117.4
Visc @ 100°C	cSt	ASTM D445	15.1	13.64	13.41	13.44
Viscosity Index (VI)	Scale	ASTM D2270	105	113	110	110

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0851247 **Recieved** : 29 Jan 2024
Lab Number : 06073430 **Diagnosed** : 31 Jan 2024
Unique Number : 10850107 **Diagnostician** : Jonathan Hester
Test Package : MOB 2 (Additional Tests: FT-IR, ICP-NewOil, KV100, PrtCount, TBN, VI)
 To discuss this sample report, contact Customer Service at 1-800-237-1369. **Contact:** TIM CUSICK
 * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. **tim.cusick@edlenergy.com**
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) **T:**
F:

EDL NA Recips-Hancock County
 HANCOCK COUNTY POWER STATION, 3574 TOWNSHIP ROAD 142
 FINDLAY, OH
 US 45840
Contact: TIM CUSICK
tim.cusick@edlenergy.com
T:
F: