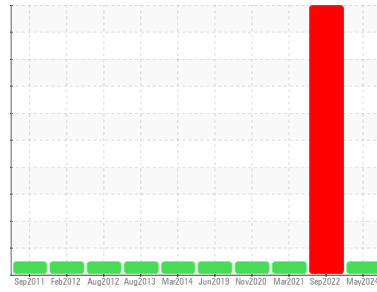




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[VANMAL_23517]
 Machine Id
512 65MM (S/N 21066837)
 Component
Gearbox
 Fluid
GEAR OIL (PAO) ISO 320 (7 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0870878	WC0577953	WC05200860
Sample Date	Client Info			17 May 2024	12 Sep 2022	09 Mar 2021
Machine Age	mths	Client Info		60	0	0
Oil Age	mths	Client Info		18	0	0
Oil Changed	Client Info			Changed	N/A	N/A
Sample Status				NORMAL	SEVERE	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	NEG	NEG	NEG

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>200	52	▲ 10000	82
Chromium	ppm	ASTM D5185m	>15	<1	▲ 175	<1
Nickel	ppm	ASTM D5185m	>15	0	▲ 20	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	1	▲ 19	<1
Lead	ppm	ASTM D5185m	>100	3	9	0
Copper	ppm	ASTM D5185m	>200	5	50	0
Tin	ppm	ASTM D5185m	>25	<1	3	0
Antimony	ppm	ASTM D5185m	>5	---	---	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0

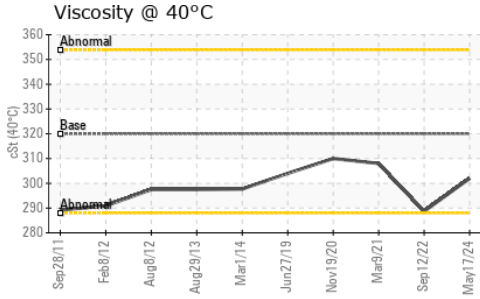
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	25	14	26	5
Barium	ppm	ASTM D5185m	12	0	<1	0
Molybdenum	ppm	ASTM D5185m	5	<1	36	<1
Manganese	ppm	ASTM D5185m		<1	70	<1
Magnesium	ppm	ASTM D5185m	25	<1	5	0
Calcium	ppm	ASTM D5185m	25	10	4	2
Phosphorus	ppm	ASTM D5185m	375	328	95	161
Zinc	ppm	ASTM D5185m	25	6	9	16
Sulfur	ppm	ASTM D5185m	4900	12260	3874	4327

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	14	35	2
Sodium	ppm	ASTM D5185m		2	0	<1
Potassium	ppm	ASTM D5185m	>20	3	0	1


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG



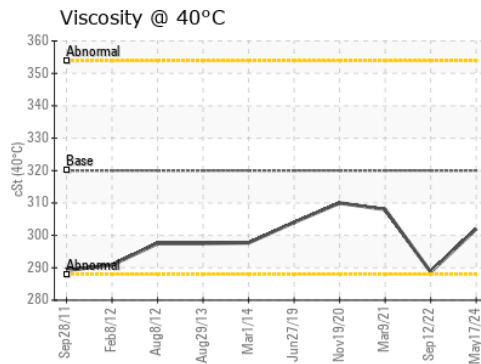
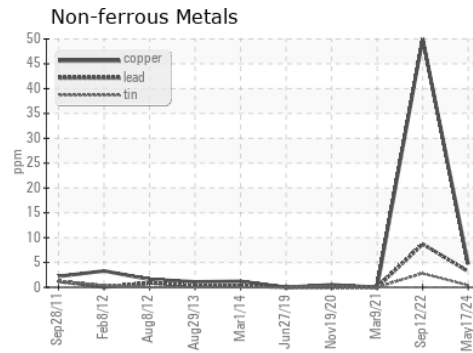
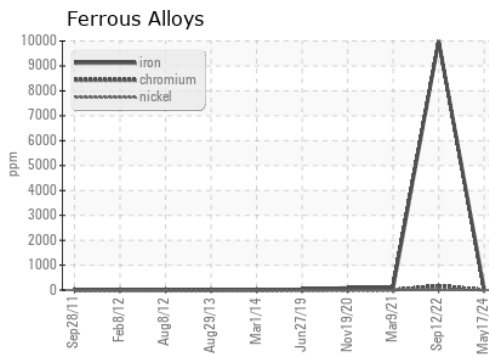
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 320	302	288.7	308

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0870878
Lab Number : **06185399**
Unique Number : 11036725
Test Package : IND 1
Received : 20 May 2024
Tested : 21 May 2024
Diagnosed : 23 May 2024 - Jonathan Hester

HILEX POLY
 2800 SPROUSE DR
 RICHMOND, VA
 US 23231

Contact: MELVERN WILLIAMS
 melvern.williams@novolex.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)

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F: (804)222-2050