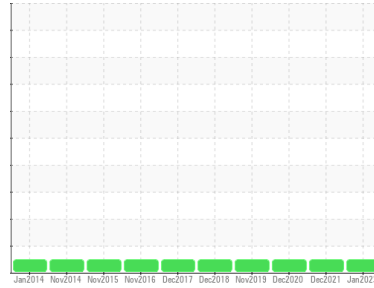




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
STEIGER 4

Component
Front Differential

Fluid
ALPHA MEGA MOLY PREMIUM 85W140 (8 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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			WC0617395	WC0617408	WC0472434
Sample Date	Client Info			09 Jan 2023	14 Dec 2021	11 Dec 2020
Machine Age	hrs	Client Info		2828	1913	1005
Oil Age	hrs	Client Info		913	908	1005
Oil Changed	Client Info			Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>1250	48	53	74
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m	>5	<1	0	0
Silver	ppm	ASTM D5185m	>5	<1	<1	<1
Aluminum	ppm	ASTM D5185m	>35	<1	<1	<1
Lead	ppm	ASTM D5185m	>50	0	<1	0
Copper	ppm	ASTM D5185m	>250	3	2	2
Tin	ppm	ASTM D5185m	>20	<1	<1	0
Antimony	ppm	ASTM D5185m	>5	---	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		311	39	30
Barium	ppm	ASTM D5185m		5	0	0
Molybdenum	ppm	ASTM D5185m		247	545	572
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		4	<1	2
Calcium	ppm	ASTM D5185m		50	10	13
Phosphorus	ppm	ASTM D5185m		1439	747	743
Zinc	ppm	ASTM D5185m		29	2	10
Sulfur	ppm	ASTM D5185m		32884	12079	12427

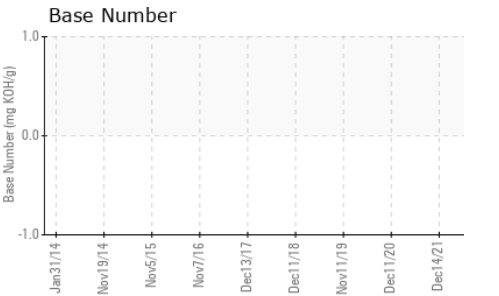
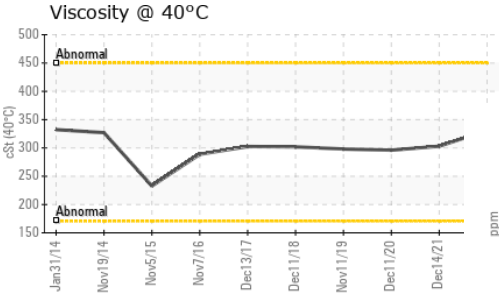
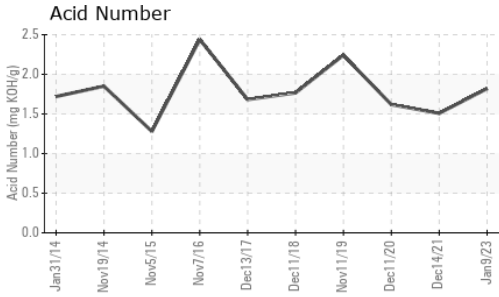
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>200	8	15	13
Sodium	ppm	ASTM D5185m		2	<1	1
Potassium	ppm	ASTM D5185m	>20	<1	0	0

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.82	1.508	1.618

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	MODER	LIGHT	MODER
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	>.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG



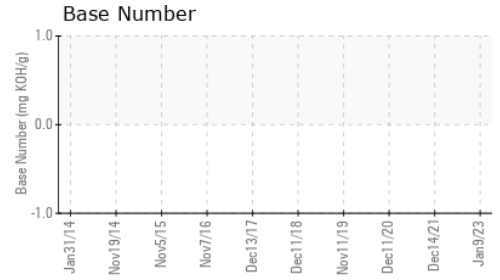
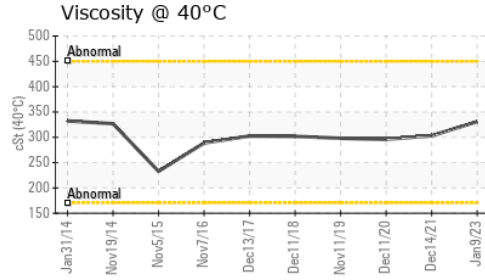
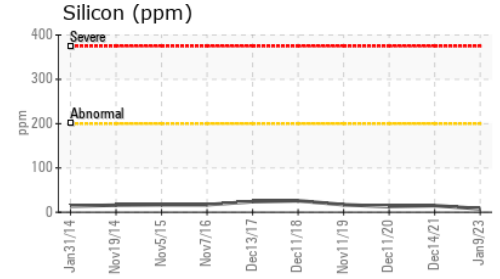
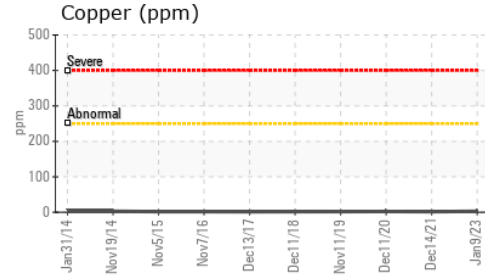
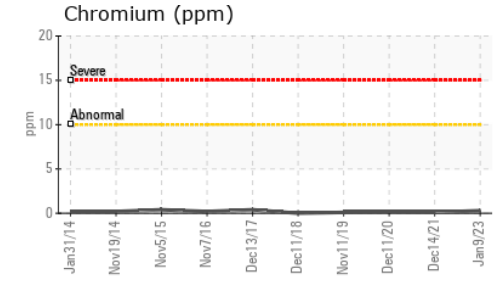
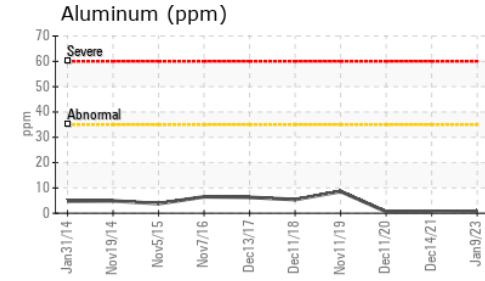
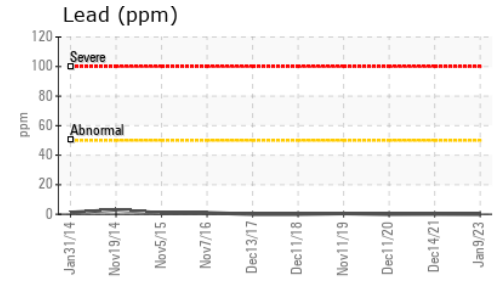
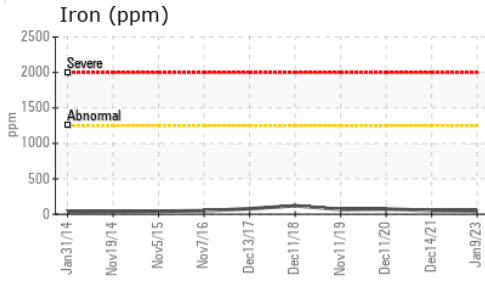
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445		331	303	296

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0617395 **Received** : 27 Jan 2023
Lab Number : 05752986 **Diagnosed** : 31 Jan 2023
Unique Number : 10312590 **Diagnostician** : Don Baldrige
Test Package : MOB 2 (Additional Tests: TBN)

PRECISION LAND GRADING
 1031 PARKER RD
 SANDHEIMER, LA
 US 71276
 Contact: RANDY TEMPLE
 ktemple19@gmail.com
 T: (318)372-8431
 F: (318)552-8876

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)