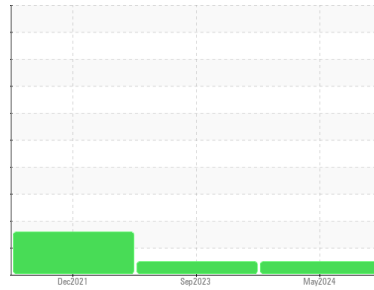




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Area
[21289]

Machine Id
20-86

Component
Right Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

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			WC0923361	WC0818622	WC0601421
Sample Date	Client Info			10 May 2024	08 Sep 2023	17 Dec 2021
Machine Age	hrs	Client Info		5975	5866	5304
Oil Age	hrs	Client Info		671	5866	0
Oil Changed	Client Info			Changed	Not Changd	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL

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	>500	121	153	436
Chromium	ppm	ASTM D5185m	>10	4	2	4
Nickel	ppm	ASTM D5185m	>10	2	<1	0
Titanium	ppm	ASTM D5185m		3	<1	<1
Silver	ppm	ASTM D5185m		3	0	0
Aluminum	ppm	ASTM D5185m	>25	2	1	6
Lead	ppm	ASTM D5185m	>25	8	7	▲ 27
Copper	ppm	ASTM D5185m	>50	23	21	▲ 72
Tin	ppm	ASTM D5185m	>10	3	<1	2
Antimony	ppm	ASTM D5185m	>5	---	---	0
Vanadium	ppm	ASTM D5185m		2	0	0
Cadmium	ppm	ASTM D5185m		2	0	0

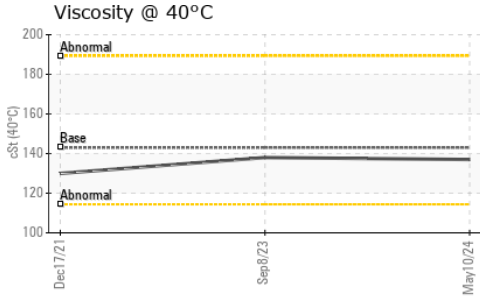
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	26	25	196
Barium	ppm	ASTM D5185m	200	3	0	0
Molybdenum	ppm	ASTM D5185m	12	3	<1	1
Manganese	ppm	ASTM D5185m		5	3	6
Magnesium	ppm	ASTM D5185m	12	3	2	5
Calcium	ppm	ASTM D5185m	150	19	23	79
Phosphorus	ppm	ASTM D5185m	1650	385	380	977
Zinc	ppm	ASTM D5185m	125	15	12	44
Sulfur	ppm	ASTM D5185m	22500	19899	19077	16373

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	8	9	30
Sodium	ppm	ASTM D5185m	>170	2	<1	5
Potassium	ppm	ASTM D5185m	>20	5	2	9

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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG



OIL ANALYSIS REPORT

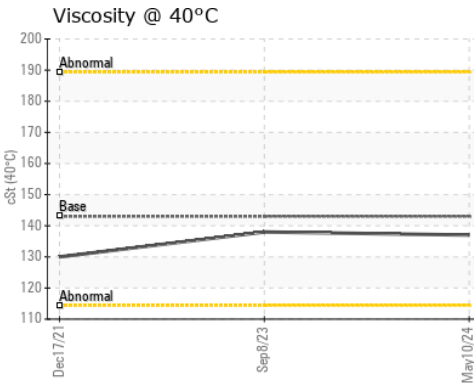
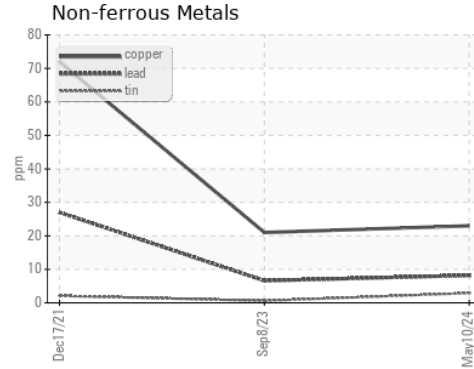
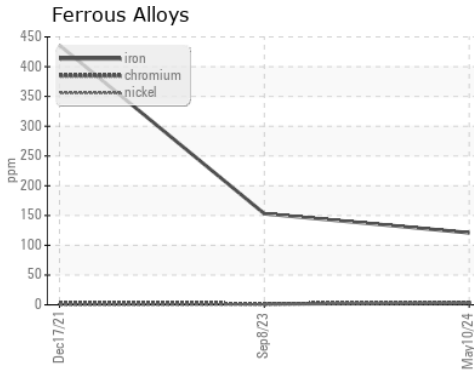


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	143	137	138	130

SAMPLE IMAGES	method	limit/base	current	history1	history2
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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. : WC0923361 **Received** : 17 May 2024
Lab Number : **06183574** **Tested** : 20 May 2024
Unique Number : 11034900 **Diagnosed** : 20 May 2024 - Wes Davis
Test Package : CONST

MANHATTAN ROAD AND BRIDGE
 5601 S 122ND E AVE
 TULSA, OK
 US 74146
 Contact: BEN CALDWELL
 kevin.marson@wearcheck.com
 T: (918)728-5749
 F:

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)