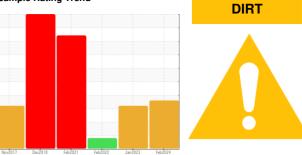


OIL ANALYSIS REPORT

SAMPLE INFORMATION method

Sample Rating Trend

limit/base



history1

current

history2

Component Gearbox Fluid GEAR OIL ISO 220 (1 GAL)

DODGE 00223

DIAGNOSIS

A Recommendation

We advise that you check all areas where dirt can enter the system. We recommend an early resample to monitor this condition.

🔺 Wear

Area WQ

Gear wear is indicated.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

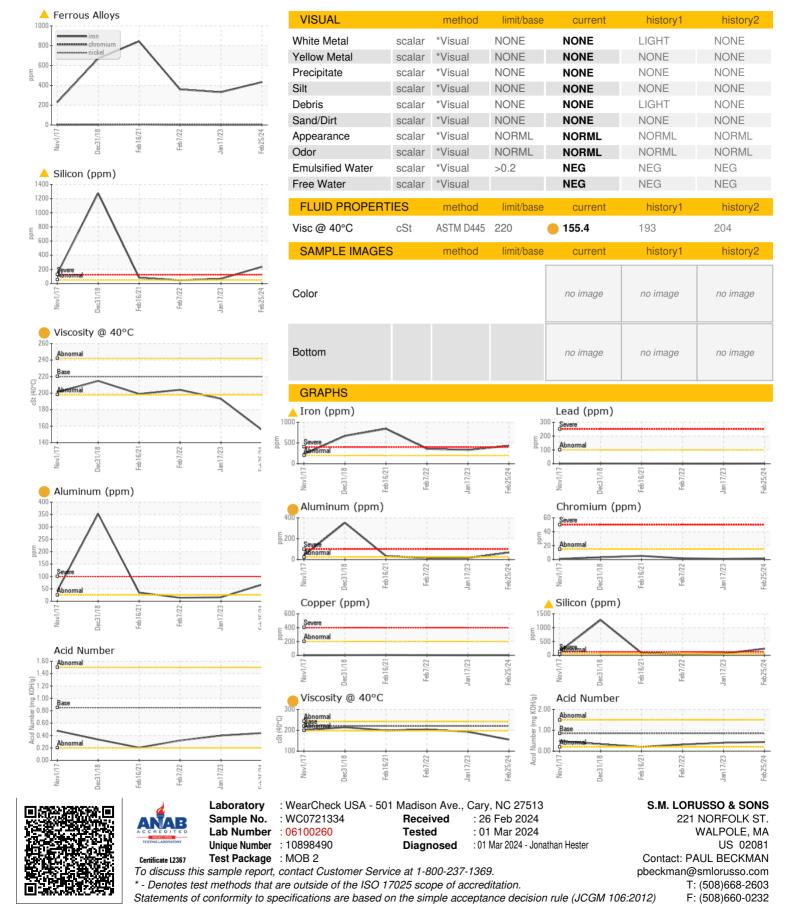
Fluid Condition

The oil viscosity is lower than normal. Confirm oil type. The AN level is acceptable for this fluid.

		methou	IIIIII/Dase	current	HIStory	THSTOLYZ
Sample Number		Client Info		WC0721334	WC0570397	WC0524334
Sample Date		Client Info		25 Feb 2024	17 Jan 2023	07 Feb 2022
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				ABNORMAL	ABNORMAL	ABNORMAL
CONTAMINATIO	N	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	<u> </u>	A 331	4 359
Chromium	ppm	ASTM D5185m	>15	2	1	2
Nickel	ppm	ASTM D5185m	>15	<1	0	<1
Titanium	ppm	ASTM D5185m		4	1	<1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	67	1 6	14
Lead	ppm	ASTM D5185m	>100	1	0	<1
Copper	ppm	ASTM D5185m	>200	1	<1	1
Tin	ppm	ASTM D5185m	>25	<1	0	0
Antimony	ppm	ASTM D5185m	>5			<1
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	50	10	9	5
Barium	ppm	ASTM D5185m	15	0	0	0
Molybdenum	ppm	ASTM D5185m	15	<1	<1	<1
Manganese	ppm	ASTM D5185m		5	3	3
Magnesium	ppm	ASTM D5185m	50	12	4	5
Calcium	ppm	ASTM D5185m	50	40	17	15
Phosphorus	ppm	ASTM D5185m	350	186	159	181
Zinc	ppm	ASTM D5185m	100	0	13	2
Sulfur	ppm	ASTM D5185m	12500	9446	13591	13556
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	<u> </u>	6 7	47
Sodium	ppm	ASTM D5185m		17	2	2
Potassium	ppm	ASTM D5185m	>20	28	6	4
FLUID DEGRADA		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.85	0.44	0.40	0.32



OIL ANALYSIS REPORT



Contact/Location: PAUL BECKMAN - SMLWALNC