CONST

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
016-0114
Component
Rear Differential
Fluid
SCHAEFFER SCHAEFFER 293 MOLY 75W90 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated. All other component wear rates are normal.

CONTAMINATION

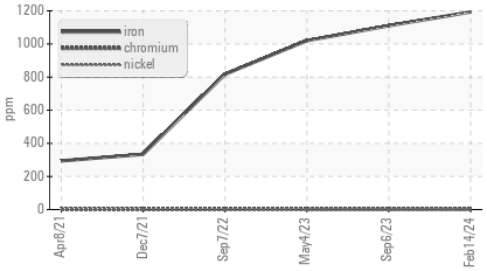
There is no indication of any contamination in the oil.

FLUID CONDITION

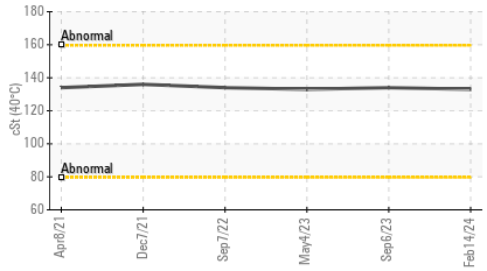
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0904069**	WC0815123	WC0750619
Sample Date		Client Info		**14 Feb 2024**	06 Sep 2023	04 May 2023
Machine Age	hrs	Client Info		**12374**	11388	10376
Oil Age	hrs	Client Info		**0**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Filter Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>500	▲ **1193**	▲ 1110	▲ 1020
Chromium	ppm	ASTM D5185m	>10	**3**	3	2
Nickel	ppm	ASTM D5185m	>10	**<1**	<1	<1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**0**	<1	0
Lead	ppm	ASTM D5185m	>25	**0**	0	0
Copper	ppm	ASTM D5185m	>100	**<1**	1	2
Tin	ppm	ASTM D5185m	>10	**0**	0	0
Vanadium	ppm	ASTM D5185m		**0**	0	0
White Metal	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**6**	6	6
Potassium	ppm	ASTM D5185m	>20	**0**	1	<1
Water		WC Method	>.2	**NEG**	NEG	NEG
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
Sodium	ppm	ASTM D5185m		**2**	4	2
Boron	ppm	ASTM D5185m		**43**	52	53
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**5**	<1	<1
Manganese	ppm	ASTM D5185m		**13**	12	11
Magnesium	ppm	ASTM D5185m		**<1**	1	0
Calcium	ppm	ASTM D5185m		**18**	24	15
Phosphorus	ppm	ASTM D5185m		**1536**	1526	1528
Zinc	ppm	ASTM D5185m		**12**	36	10
Sulfur	ppm	ASTM D5185m		**23424**	26328	27014
Visc @ 40°C	cSt	ASTM D445		**133**	134	133

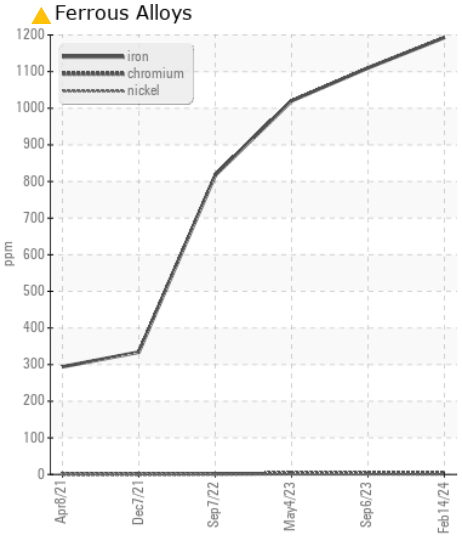
Ferrous Alloys



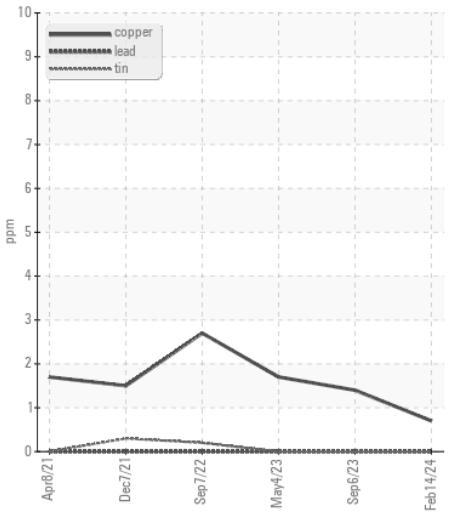
Viscosity @ 40°C



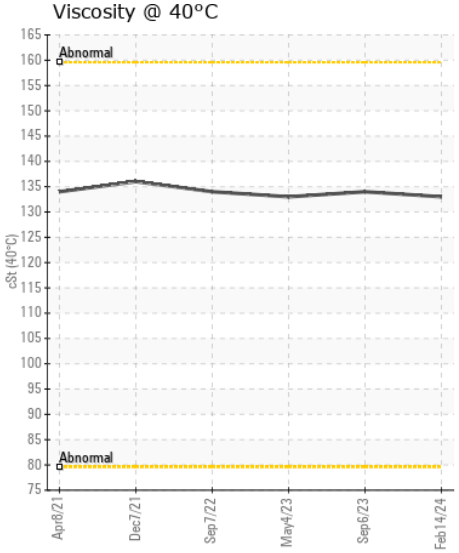
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



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