CONST

WEAR CHECK

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
263/E-5
Component
Transmission (Auto)
Fluid
CASTROL TRANSYND (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The lead level is abnormal. All other component wear rates are normal.

CONTAMINATION

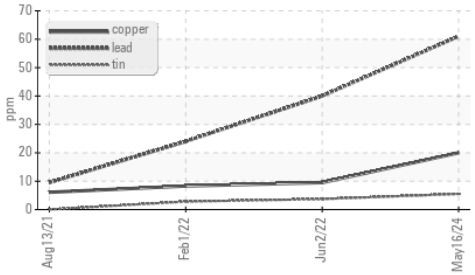
There is no indication of any contamination in the fluid.

FLUID CONDITION

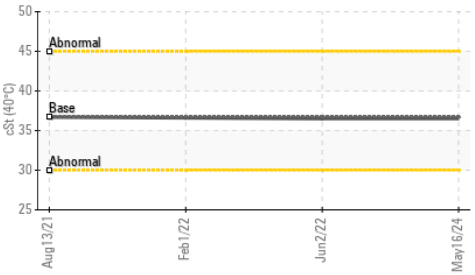
The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0868262**	WC0681606	WC0658949
Sample Date		Client Info		**16 May 2024**	02 Jun 2022	01 Feb 2022
Machine Age	hrs	Client Info		**0**	0	0
Oil Age	hrs	Client Info		**0**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Changed	Changed
Filter Changed		Client Info		**Not Changd**	Changed	Changed
Sample Status				**ABNORMAL**	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>160	**82**	61	48
Chromium	ppm	ASTM D5185m	>5	**<1**	0	<1
Nickel	ppm	ASTM D5185m	>5	**1**	0	0
Titanium	ppm	ASTM D5185m		**<1**	0	0
Silver	ppm	ASTM D5185m	>5	**<1**	0	0
Aluminum	ppm	ASTM D5185m	>50	**22**	16	12
Lead	ppm	ASTM D5185m	>50	▲ **61**	40	24
Copper	ppm	ASTM D5185m	>225	**20**	10	8
Tin	ppm	ASTM D5185m	>10	**6**	4	3
Vanadium	ppm	ASTM D5185m		**<1**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>20	**21**	23	20
Potassium	ppm	ASTM D5185m	>20	**7**	6	4
Water		WC Method	>0.1	**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	>0.1	**NEG**	NEG	NEG
Sodium	ppm	ASTM D5185m		**10**	7	8
Boron	ppm	ASTM D5185m	133	**95**	110	98
Barium	ppm	ASTM D5185m	0	**0**	2	0
Molybdenum	ppm	ASTM D5185m	0	**2**	1	1
Manganese	ppm	ASTM D5185m		**3**	3	3
Magnesium	ppm	ASTM D5185m	0	**5**	5	3
Calcium	ppm	ASTM D5185m	27	**114**	118	131
Phosphorus	ppm	ASTM D5185m	293	**263**	285	319
Zinc	ppm	ASTM D5185m	0	**27**	31	23
Sulfur	ppm	ASTM D5185m	1050	**548**	550	497
Visc @ 40°C	cSt	ASTM D445	36.7	**36.5**	36.5	36.6

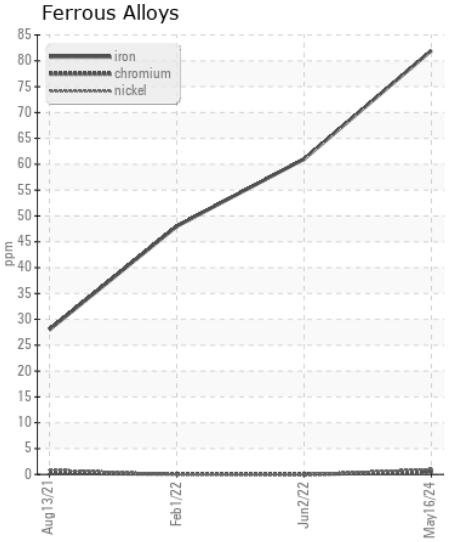
Non-ferrous Metals



Viscosity @ 40°C



Ferrous Alloys



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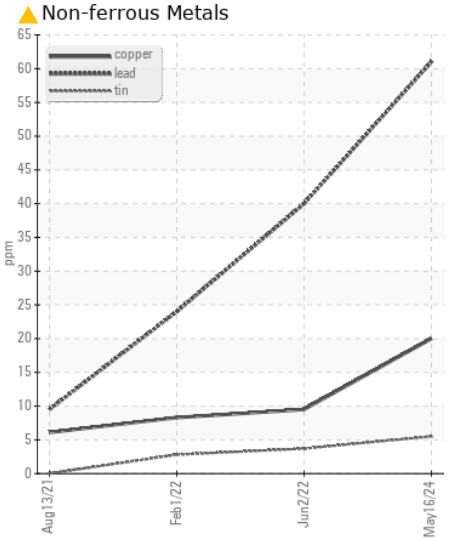

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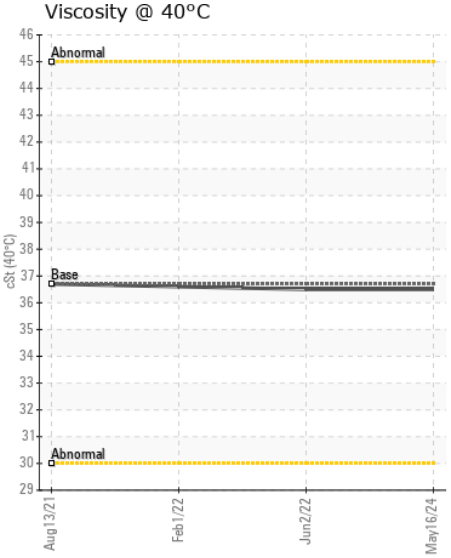

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