



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
1011
Component
Right Final Drive
Fluid
TDTO FLUID SAE 30 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

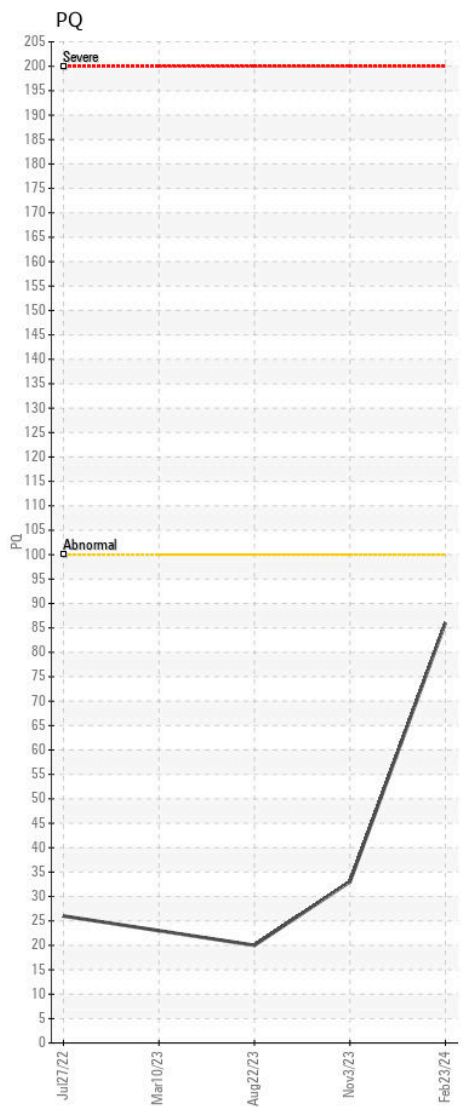
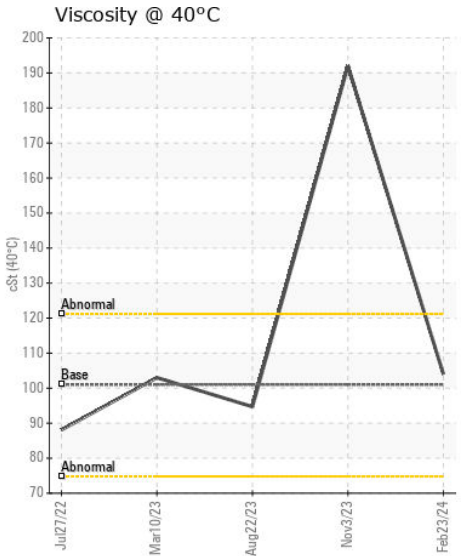
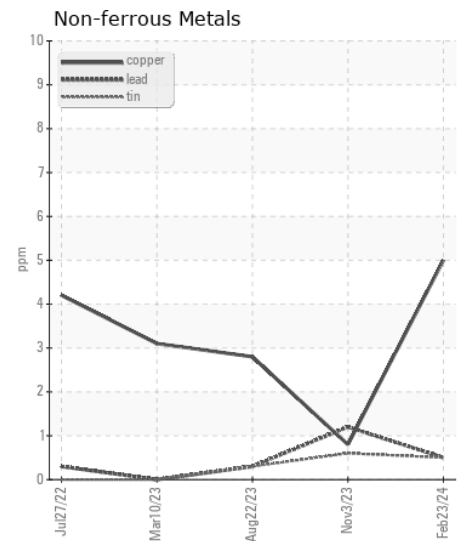
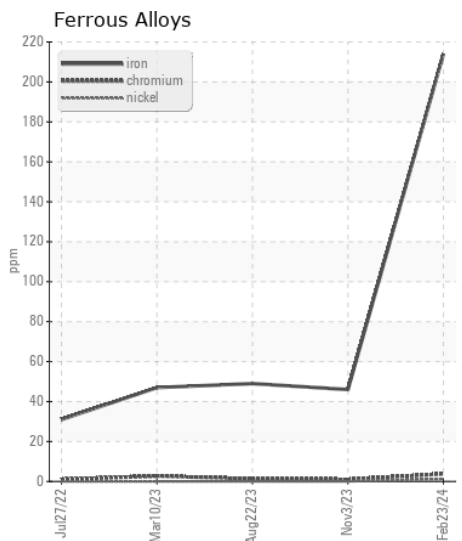
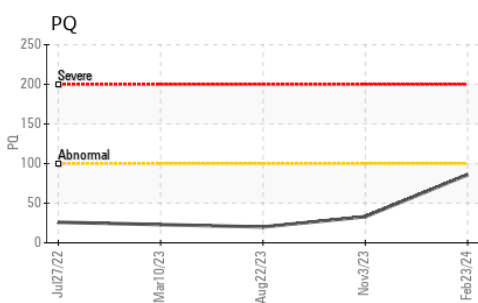
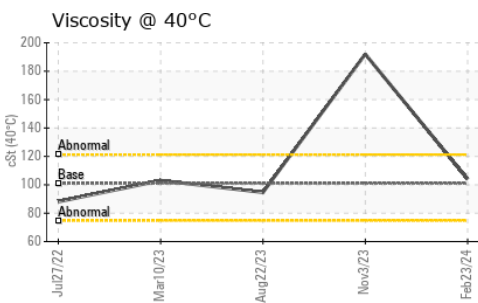
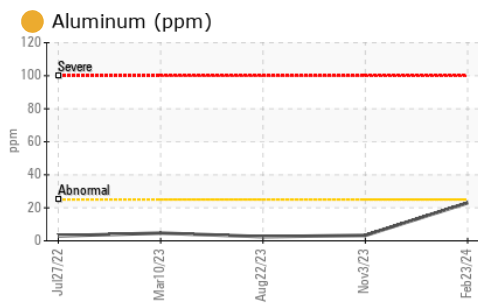
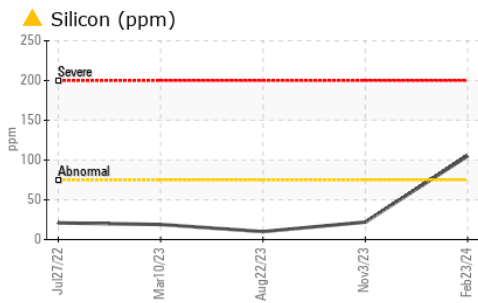
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0195389	JR0184491	JR0169945
Sample Date		Client Info		23 Feb 2024	03 Nov 2023	22 Aug 2023
Machine Age	hrs	Client Info		7321	6628	6107
Oil Age	hrs	Client Info		3000	500	2000
Filter Age	hrs	Client Info		3000	500	2000
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		86	33	20
Iron	ppm	ASTM D5185m	>500	214	46	49
Chromium	ppm	ASTM D5185m	>10	4	1	1
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		2	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	23	3	2
Lead	ppm	ASTM D5185m	>25	<1	1	<1
Copper	ppm	ASTM D5185m	>50	5	<1	3
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	105	22	10
Potassium	ppm	ASTM D5185m	>20	7	<1	0
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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

Sodium	ppm	ASTM D5185m		1	<1	1
Boron	ppm	ASTM D5185m	37	3	0	<1
Barium	ppm	ASTM D5185m	7	0	0	0
Molybdenum	ppm	ASTM D5185m	5	3	1	2
Manganese	ppm	ASTM D5185m		3	<1	<1
Magnesium	ppm	ASTM D5185m	40	22	14	18
Calcium	ppm	ASTM D5185m	2650	2639	2052	3581
Phosphorus	ppm	ASTM D5185m	1050	821	721	933
Zinc	ppm	ASTM D5185m	1075	1055	845	1129
Sulfur	ppm	ASTM D5185m	5750	8080	9108	4496
Visc @ 40°C	cSt	ASTM D445	101	104	192	94.7



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0195389 **Received** : 20 Mar 2024
Lab Number : 06123940 **Tested** : 21 Mar 2024
Unique Number : 10938091 **Diagnosed** : 22 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)