



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
CATERPILLAR CS54B SDR-6 (S/N VL4H00167)
Component
Left Planetary
Fluid
{not provided} (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

CONTAMINATION

There is a light concentration of water present in the oil.

FLUID CONDITION

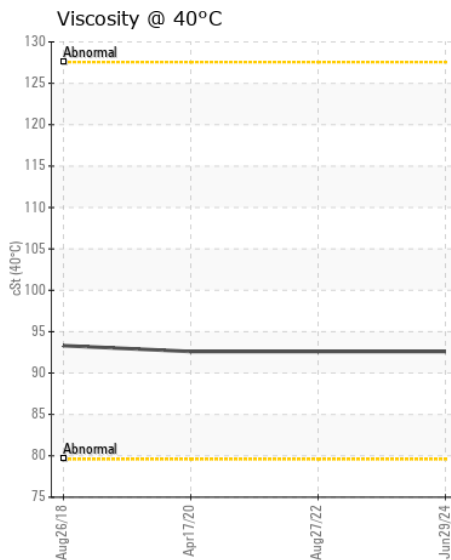
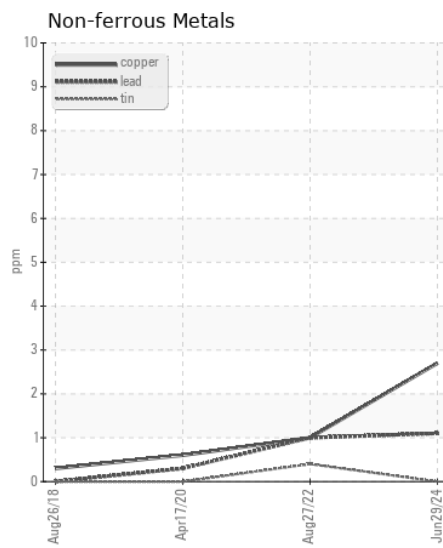
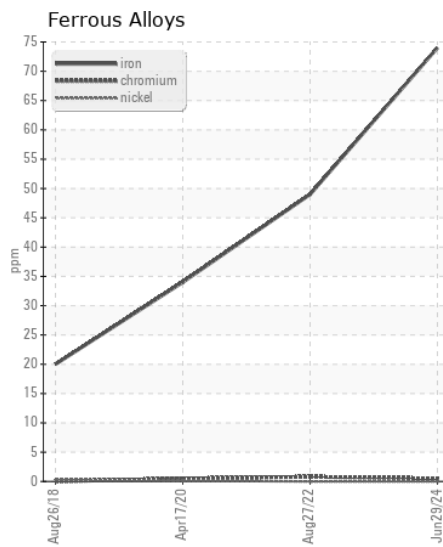
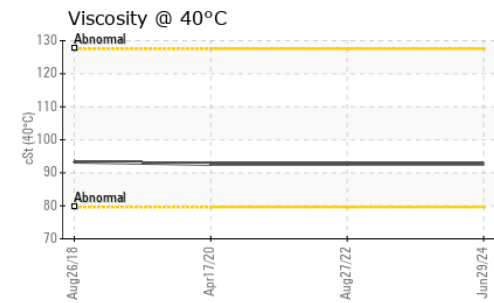
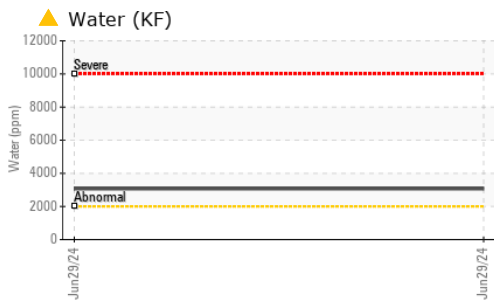
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		CL0005612	CL0003514	CL0001107
Sample Date		Client Info		29 Jun 2024	27 Aug 2022	17 Apr 2020
Machine Age	hrs	Client Info		3170	2725	2290
Oil Age	hrs	Client Info		3170	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>500	74	49	34
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	1
Lead	ppm	ASTM D5185m	>25	1	1	<1
Copper	ppm	ASTM D5185m	>75	3	1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	7	6	6
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water	%	ASTM D6304	>0.2	▲ 0.307	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 3070	---	---
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	▲ 0.2%	NEG	NEG

Sodium	ppm	ASTM D5185m		4	2	3
Boron	ppm	ASTM D5185m		0	2	1
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m		12	13	9
Calcium	ppm	ASTM D5185m		3310	3055	2920
Phosphorus	ppm	ASTM D5185m		1178	1026	905
Zinc	ppm	ASTM D5185m		1298	1255	1024
Sulfur	ppm	ASTM D5185m		9879	7946	9216
Visc @ 40°C	cSt	ASTM D445		92.6	92.6	92.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CL0005612 **Received** : 08 Jul 2024
Lab Number : 06230608 **Tested** : 10 Jul 2024
Unique Number : 11114101 **Diagnosed** : 10 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF)

PEDULLA
 146 MCLELLAND
 MOORESVILLE, NC
 US 28115
 Contact: LARRY

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)

T:
F: