



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**KOMATSU PC-290 TH-10 (S/N A25451)**  
Component  
**Left Final Drive**  
Fluid  
**TDTO FLUID SAE 30 (3 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>CL0005434</b>	CL0004693	CL0004245
Sample Date		Client Info		<b>12 May 2024</b>	13 Sep 2023	28 Apr 2023
Machine Age	hrs	Client Info		<b>12705</b>	12125	11742
Oil Age	hrs	Client Info		<b>580</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	Changed	Not Chngd
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	<b>81</b>	104	55
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	4	2
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	1	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>12</b>	22	9
Lead	ppm	ASTM D5185m	>25	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>50	<b>0</b>	2	<1
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

There is no indication of any contamination in the oil.

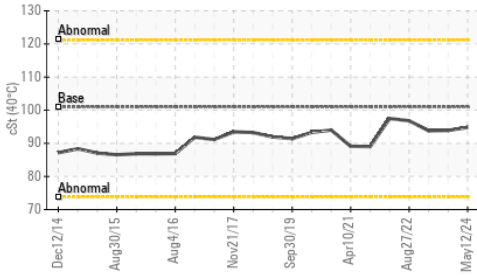
Silicon	ppm	ASTM D5185m	>75	<b>45</b>	66	35
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	3	0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	0.2%	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		<b>5</b>	2	2
Boron	ppm	ASTM D5185m	37	<b>0</b>	<1	0
Barium	ppm	ASTM D5185m	7	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>5</b>	3	2
Manganese	ppm	ASTM D5185m		<b>1</b>	1	<1
Magnesium	ppm	ASTM D5185m	40	<b>50</b>	43	47
Calcium	ppm	ASTM D5185m	2650	<b>3694</b>	3423	3394
Phosphorus	ppm	ASTM D5185m	1050	<b>1178</b>	1085	1036
Zinc	ppm	ASTM D5185m	1075	<b>1367</b>	1284	1284
Sulfur	ppm	ASTM D5185m	5750	<b>5339</b>	4848	4399
Visc @ 40°C	cSt	ASTM D445	101	<b>94.8</b>	93.9	93.8

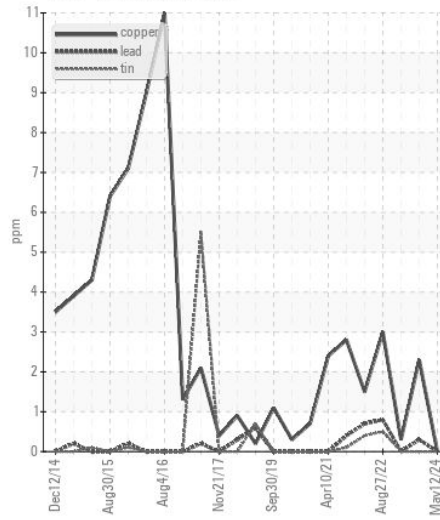
Viscosity @ 40°C



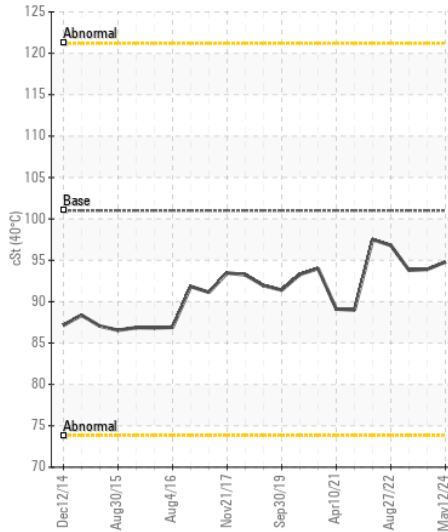
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : CL0005434  
**Lab Number** : 06191340  
**Unique Number** : 11048092  
**Test Package** : CONST  
**Received** : 24 May 2024  
**Tested** : 28 May 2024  
**Diagnosed** : 29 May 2024 - Sean Felton

**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: