CONST

CHALMERS Lubrication Service
(704) 660-LUBE(5823)

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
KOMATSU PC-290 TH-13 - A25787
Component
Left Final Drive
Fluid
TDTO FLUID SAE 30 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

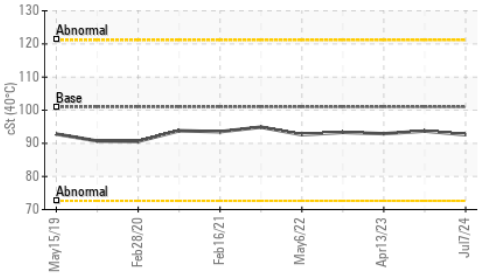
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**CL0005641**	CL0004601	CL0004219
Sample Date		Client Info		**07 Jul 2024**	16 Aug 2023	13 Apr 2023
Machine Age	hrs	Client Info		**11350**	10705	10340
Oil Age	hrs	Client Info		**1010**	0	0
Filter Age	hrs	Client Info		**0**	0	0
Oil Changed		Client Info		**Not Changd**	Not Changd	Changed
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**NORMAL**	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>500	**150**	83	195
Chromium	ppm	ASTM D5185m	>10	**2**	<1	5
Nickel	ppm	ASTM D5185m	>10	**0**	0	0
Titanium	ppm	ASTM D5185m		**1**	<1	2
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**23**	12	38
Lead	ppm	ASTM D5185m	>25	**0**	<1	0
Copper	ppm	ASTM D5185m	>50	**2**	<1	1
Tin	ppm	ASTM D5185m	>10	**0**	<1	0
Vanadium	ppm	ASTM D5185m		**<1**	<1	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	**73**	42	112
Potassium	ppm	ASTM D5185m	>20	**1**	1	1
Water		WC Method	>0.2	**NEG**	NEG	NEG
Silt	scalar	*Visual	NONE	**LIGHT**	NONE	NONE
Debris	scalar	*Visual	NONE	**NONE**	LIGHT	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		**6**	4	6
Boron	ppm	ASTM D5185m	37	**4**	3	0
Barium	ppm	ASTM D5185m	7	**0**	0	0
Molybdenum	ppm	ASTM D5185m	5	**4**	4	2
Manganese	ppm	ASTM D5185m		**1**	<1	3
Magnesium	ppm	ASTM D5185m	40	**54**	69	28
Calcium	ppm	ASTM D5185m	2650	**3453**	3303	3215
Phosphorus	ppm	ASTM D5185m	1050	**1114**	1041	959
Zinc	ppm	ASTM D5185m	1075	**1263**	1258	1237
Sulfur	ppm	ASTM D5185m	5750	**5893**	5894	4687
Visc @ 40°C	cSt	ASTM D445	101	**92.6**	93.7	92.9

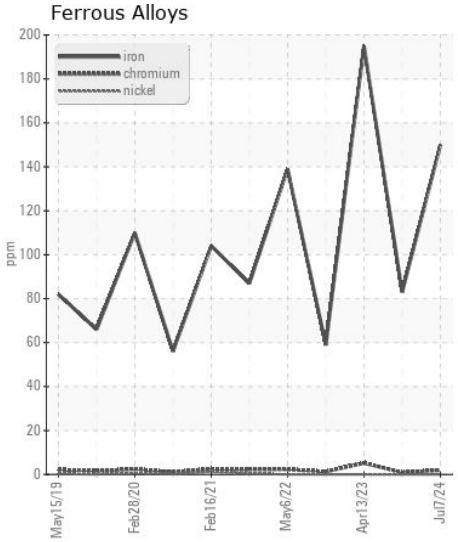
Report Id: PEDMOO [WUSCAR] 06241051 (Generated: 07/21/2024 14:21:08) Rev: 1

Submitted By: JEFF CHALMERS

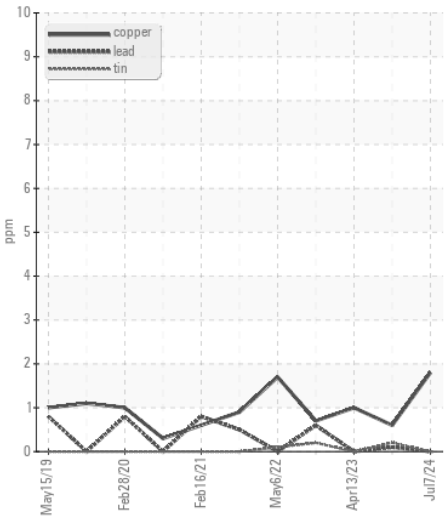
Viscosity @ 40°C



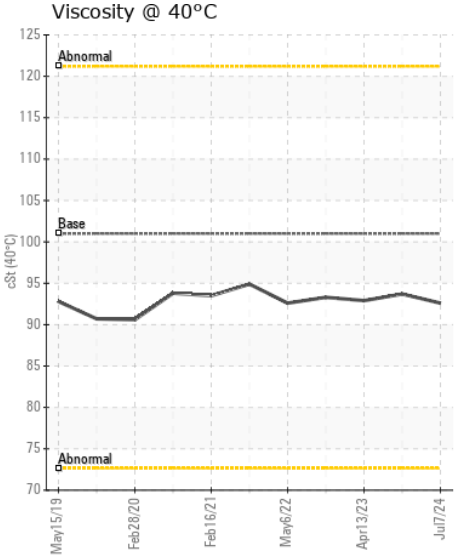
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory	: WearCheck USA - 501 Madison Ave., Cary, NC 27513		
Sample No.	: CL0005641	**Received**	: 18 Jul 2024
Lab Number	: 06241051	**Tested**	: 20 Jul 2024
Unique Number	: 11129885	**Diagnosed**	: 20 Jul 2024 - Wes Davis
Test Package	: CONST		

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)

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