

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

SU PC-

Machine Id KOMATSU PC-290 TH-10 (S/N A25451)

Component Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (7 GAL)

X					~~~~~		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		CL0005432	CL0005010	CL0004691
	Sample Date		Client Info		12 May 2024	15 Dec 2023	13 Sep 2023
brand, type, and viscosity of the on on your next sample.	Machine Age	hrs	Client Info		12705	12410	12125
	Oil Age	hrs	Client Info		295	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	ABNORMAL	MARGINAL
WEAR	Iron	ppm	ASTM D5185m	>100	9	7	5
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		0	<1	<1
	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		4	3	1
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m	>330	<1	1	<1
	Tin	ppm	ASTM D5185m	>15	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
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	4	5
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		<1	1	<1
·····	Fuel			>5	<1.0	▲ 2.5	▲ 2.9
	Water		WC Method WC Method	>0.2	NEG	NEG	NEG
	Glycol Soot %	%	*ASTM D7844	. 0	NEG 0.7	NEG 0.5	
	Nitration	70 Abs/cm	*ASTM D7644	>3 >20	10.9	10.2	0.3
	Sulfation	Abs/.1mm	*ASTM D7024		20.1	19.3	17.4
	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		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	2	3
The PN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	250	49	40	73
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	10	0	0	1
	Molybdenum	ppm	ASTM D5185m	100	92	74	94
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		19	16	29
	Calcium	ppm	ASTM D5185m	3000	2312	1835	2420
	Phosphorus	ppm	ASTM D5185m		1106	912	1114
	Zinc	ppm	ASTM D5185m		1268	1062	1319
	Sulfur	ppm	ASTM D5185m		4220	3285	4740
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.8	16.0	12.6

Base Number (BN) mg KOH/g ASTM D2896 8.5

ASTM D445 14.4

Visc @ 100°C cSt

6.1

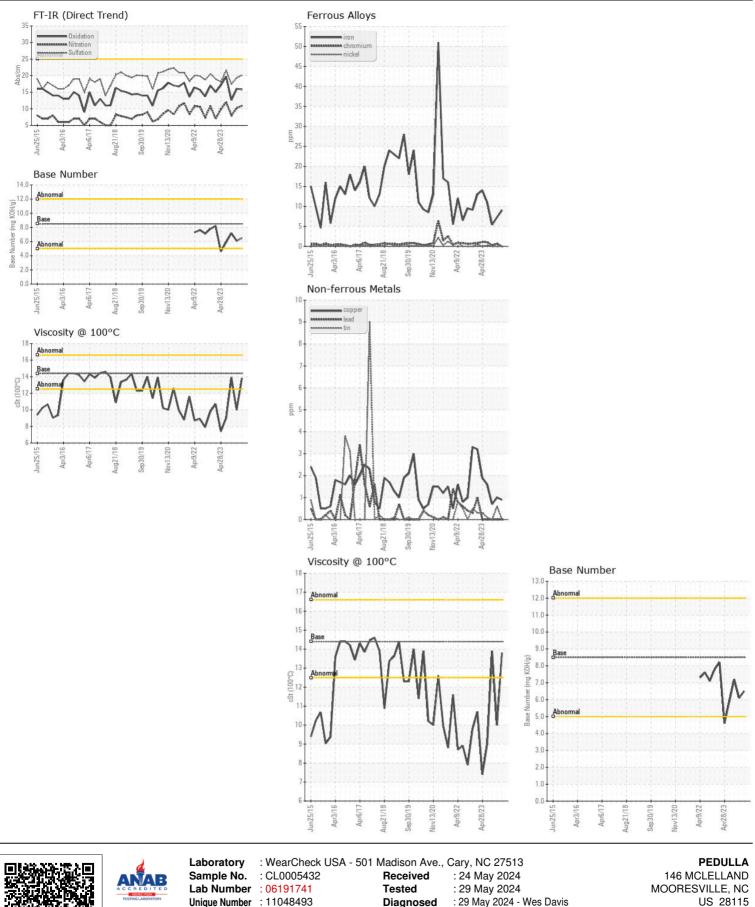
10.0

7.2

13.9

6.5

13.8



Certificate L2367 Test Package : CONST (Additional Tests: TBN)

- 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)

Contact: LARRY

Submitted By: JEFF CHALMERS Page 2 of 2