

Machine Id KOMATSU 75 Component Diesel Engine Fluid FLEETLINE SUPERFLEET XHD 15W40 (22 GAL)

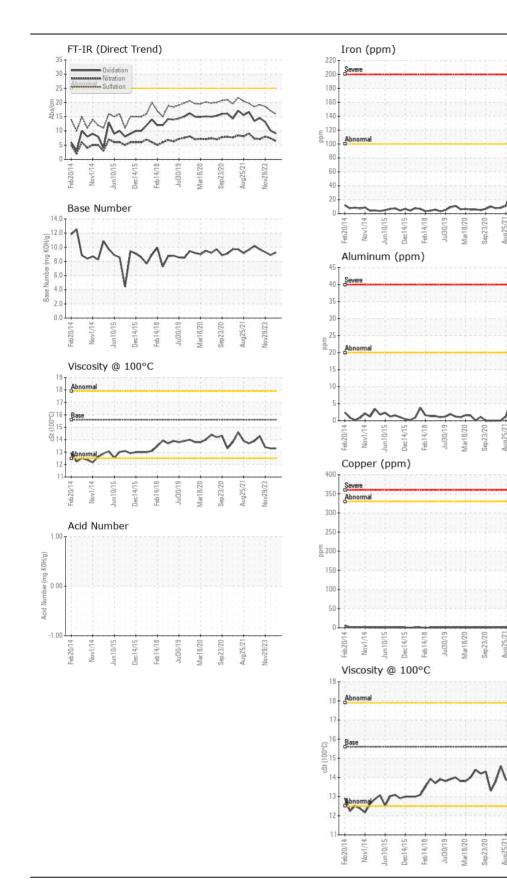
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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LP0001328	LP0001919	LP0001324
	Sample Date		Client Info		18 Jun 2024	01 May 2024	29 Nov 2023
	Machine Age	hrs	Client Info		19649	19443	18510
	Oil Age	hrs	Client Info		205	368	250
	Filter Age	hrs	Client Info		205	368	250
	Oil Changed		Client Info		N/A	Changed	Changed
	Filter Changed		Client Info		N/A	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	4	4	3
	Chromium	ppm	ASTM D5185m	>20	<1	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		1	2	<1
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m		<1	1	<1
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	6	4
OONTAMINATION	Potassium	ppm	ASTM D5185m		2	4	0
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		- <1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.6	0.3
	Nitration	Abs/cm	*ASTM D7624		6.4	7.4	8.0
	Sulfation	Abs/.1mm	*ASTM D7415		15.9	17.1	18.6
	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		2	4	1
	Boron	ppm	ASTM D5185m		2	10	9
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		0	0	0
	Molybdenum	ppm	ASTM D5185m		3	8	15
	Manganese	ppm	ASTM D5185m		-3 <1	<1	<1
	Magnesium	ppm	ASTM D5185m		39	93	226
	Calcium	ppm	ASTM D5185m		2548	2208	1987
	Phosphorus		ASTM D5185m		2546 975	923	928
	Zinc	ppm	ASTM D5185m		975 1103	923 1058	928 1075
	Sulfur	ppm	ASTM D5185m ASTM D5185m			4109	3352
	Oxidation	ppm	*ASTM D5185111	> 2F	4417		
		Abs/.1mm		>20	9.1	10.1	13.2
	Base Number (BN)	niy KUH/g	ASTIVI D2090		9.28	8.89	9.31

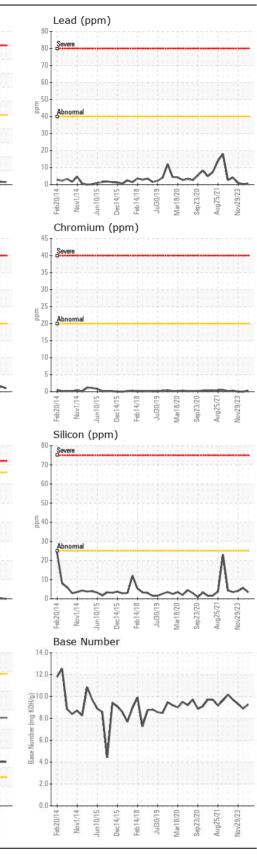
Visc @ 100°C cSt ASTM D445 15.6

13.4

13.3

13.3





S.M. LORUSSO & SONS Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : LP0001328 Received : 25 Jun 2024 Lab Number : 06220424 Tested WEST ROXBURY, MA : 27 Jun 2024 Unique Number : 11098621 : 27 Jun 2024 - Angela Borella Diagnosed Test Package : MOB 2 (Additional Tests: TAN Man) Contact: MARK ERWIN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. merwin@smlorusso.com * - 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)

Vov29/23

Submitted By: MARK ERWIN Page 2 of 2

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