

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



Machine Id **KOMATSU PC-490 TH-12 (S/N A41656)** Component **Right Final Drive**

TDTO FLUID SAE 30 (3 GAL)

RECOMMENDATION

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



All component wear rates are normal.

CONTAMINATION

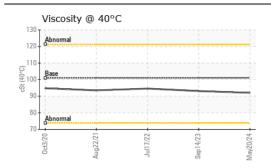
There is no indication of any contamination in the oil.

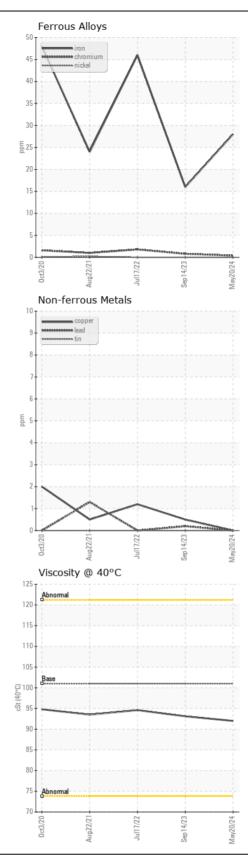
FLUID CONDITION

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

TestUOMMethodLimit MCurrentHistory1History2Sample NumberCClient InfoCL0005451CL0003731CL0003393Sample DateCClient InfoZ0 May202414 Sep 20237 Jul 2022Machine AgehrsClient InfoIn0200Oil AgehrsClient InfoIn0200Oil ChangedClient InfoCChangedNot ChangedChangedFilter AgehrsClient InfoN/AN/AN/ASample StatusClient InfoN/ANORMALNORMALIronppmASTM D5185>500281646ChromiumppmASTM D5185>10000NickelppmASTM D5185>10000SilverppmASTM D5185>20c133LeadppmASTM D5185>25G100VanadiumppmASTM D5185>20c1100VanadiumppmASTM D5185>200c110VanadiumppmASTM D5185>200c110VanadiumppmASTM D5185>200c110VanadiumppmASTM D5185>200c110VanadiumppmASTM D5185>200c110VanadiumppmASTM D5185>200c110 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>							
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Oil Age Filter AgehrsClient InfoIn19200Filter AgehrsClient InfoChangedNot ChangedChangedFilter ChangedClient InfoN/AN/AN/ASample StatusClient InfoN/AN/AN/AIronppmASTM D5185>500281646ChromiumppmASTM D5185>10<1<12NickelppmASTM D5185>10000TitaniumppmASTM D5185<10<1<1<1SilverppmASTM D5185>25<133LeadppmASTM D5185>500<100CopperppmASTM D5185>500<11TinppmASTM D5185>500<11TinppmASTM D5185>500<10Vellow Metalscalar'VisualNONENONENONENONESiliconppmASTM D5185>75191612PotassiumppmASTM D5185>75191612SiliconppmASTM D5185>75191612OtassiumppmASTM D5185>700100SiliconppmASTM D5185>701000SiliconppmASTM D5185>700100SoliconppmASTM D5185<	Sample Date		Client Info		20 May 2024	14 Sep 2023	17 Jul 2022
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Sample StatusNORMALNORMALNORMALNORMALIronppmASTM D5185>500281646ChromiumppmASTM D5185>10000NickelppmASTM D5185>10000TitaniumppmASTM D51850000SilverppmASTM D5185500<11<11SilverppmASTM D5185>250<110CopperppmASTM D5185>500<1111TinppmASTM D5185>500<1111TinppmASTM D5185>510000VanadiumppmASTM D5185>10000VanadiumppmASTM D5185>10000Vellow Metalscalar*VisualNONENONENONENONEVellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185>20010WatervisualNONENONENONENONENONESilitonscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORNORENORENOREAppearancescalar*VisualNORHNORENORENORESodiumppmASTM D51857000Boron <th>Oil Changed</th> <th></th> <th>Client Info</th> <th></th> <th>Changed</th> <th>Not Changd</th> <th>Changed</th>	Oil Changed		Client Info		Changed	Not Changd	Changed
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Copper ppm ASTM D5185m >50 0 <1							
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Sodium ppm ASTM D5185m 2 <1	Debris Sand/Dirt	scalar scalar	*Visual *Visual	NONE	NONE	NONE	NONE
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Boron ppm ASTM D5185m 37 7 0 0 Barium ppm ASTM D5185m 7 0 0 0 Molybdenum ppm ASTM D5185m 7 0 0 0 Manganese ppm ASTM D5185m 5 3 1 2 Magnesium ppm ASTM D5185m 40 19 17 11 Calcium ppm ASTM D5185m 2650 3622 3483 2678 Phosphorus ppm ASTM D5185m 1050 1115 1051 788 Zinc ppm ASTM D5185m 1075 1320 1293 1034 Sulfur ppm ASTM D5185m 5750 5277 5249 10428	Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar	*Visual *Visual *Visual *Visual	NONE NORML NORML	NONE NORML NORML	NONE NORML NORML	NONE NONE NORML NORML
Barium ppm ASTM D5185m 7 0 0 0 Molybdenum ppm ASTM D5185m 5 3 1 2 Manganese ppm ASTM D5185m 5 3 1 2 Magnesium ppm ASTM D5185m 40 19 <1	Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar	*Visual *Visual *Visual *Visual *Visual	NONE NORML NORML	NONE NORML NORML NEG	NONE NORML NORML NEG	NONE NORML NORML NEG
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Manganese ppm ASTM D5185m <1	Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m	NONE NORML NORML >0.2 37	NONE NORML NORML NEG 2 7	NONE NORML NORML NEG <1 0	NONE NORML NORML NEG 0
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Calcium ppm ASTM D5185m 2650 3622 3483 2678 Phosphorus ppm ASTM D5185m 1050 1115 1051 788 Zinc ppm ASTM D5185m 1075 1320 1293 1034 Sulfur ppm ASTM D5185m 5750 5277 5249 10428	Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 37 7	NONE NORML NORML NEG 2 7 0 3	NONE NORML NORML NEG <1 0 0 1	NONE NORML NORML NEG 0 0 0 0 2
Phosphorus ppm ASTM D5185m 1050 1115 1051 788 Zinc ppm ASTM D5185m 1075 1320 1293 1034 Sulfur ppm ASTM D5185m 5750 5277 5249 10428	Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 37 7 5	NONE NORML NORML NEG 2 7 0 3 <1	NONE NORML NORML NEG <1 0 0 1 <1	NONE NORML NORML NEG 0 0 0 2 <1
Zinc ppm ASTM D5185m 1075 1320 1293 1034 Sulfur ppm ASTM D5185m 5750 5277 5249 10428	Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 37 7 5 40	NONE NORML NORML NEG 2 7 0 3 <1 19	NONE NORML NORML NEG <1 0 0 1 1 <1 17	NONE NORML NORML NEG 0 0 0 2 <1 11
Sulfur ppm ASTM D5185m 5750 5277 5249 10428	Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML >0.2 37 7 5 40 2650	NONE NORML NORML NEG 2 7 0 3 <1 19 3622	NONE NORML NORML NEG <1 0 0 1 <1 <1 17 3483	NONE NORML NORML NEG 0 0 0 0 2 <1 11 2678
	Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML >0.2 37 7 5 40 2650 1050	NONE NORML NORML NEG 2 7 0 3 <1 19 3622 1115	NONE NORML NORML NEG <1 0 0 1 <1 <1 17 3483 1051	NONE NORML NORML NEG 0 0 0 0 2 <1 11 2678 788
	Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	*Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	NONE NORML NORML >0.2 37 7 5 5 40 2650 1050 1075	NONE NORML NORML NEG 2 7 0 3 <1 19 3622 1115 1320	NONE NORML NORML NEG <1 0 0 1 <1 17 3483 1051 1293	NONE NORML NORML NEG 0 0 0 2 <1 11 2678 788 1034

Submitted By: JEFF CHALMERS





BULLSEYE CONSTRUCTION 581 N POLK ST PINEVILLE, NC

 Unique Number
 : 11048083
 Diagnosed
 : 28 May 2024 - Wes Davis

 Certificate L2367
 Test Package
 : CONST
 Contact

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
 *
 Contact

 * - 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)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Tested

: 24 May 2024

: 28 May 2024

US 28134 Contact: SERVICE MANAGER

T:

F:

Laboratory

Sample No.

Lab Number : 06191331

: CL0005451

Submitted By: JEFF CHALMERS Page 2 of 2