WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

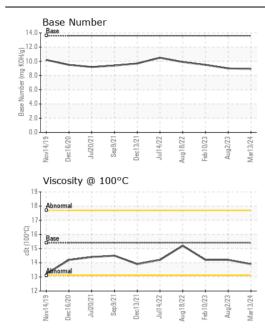
Machine Id

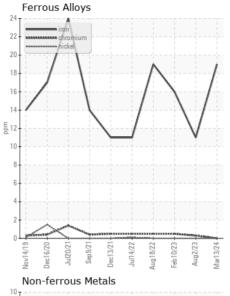
HITACHI 350LC 1FFDDR70EJF940546

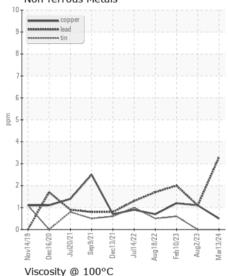
Component Diesel Engine

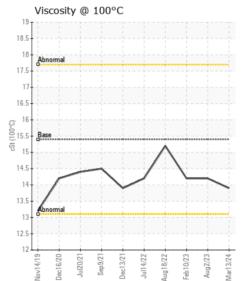
IOUN DEEDE ENGINE OU DI US 50 II 15V

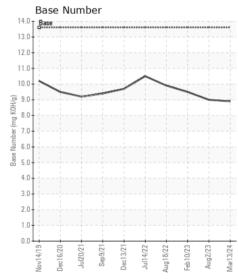
Test Sample Number	UOM	Method	Limit/Abn	Current	History1	History2
•		Client Info				
		Client Info		JR0205685	JR0179020	JR0155602
Sample Date		Client Info		13 Mar 2024	02 Aug 2023	10 Feb 2023
Machine Age	hrs	Client Info		6907	5975	4983
Oil Age	hrs	Client Info		932	500	500
Filter Age	hrs	Client Info		0	500	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	19	11	16
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>20	10	9	11
Lead	ppm			3	1	2
Copper		ASTM D5185m	>330	<1	1	1
Tin	ppm	ASTM D5185m	>15	0	0	<1
Vanadium		ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	mag	ASTM D5185m	>25	10	9	8
						8
Fuel	1-1-					<1.0
						NEG
						NEG
	%		>3			0.7
						8.4
						21.6
Silt				NONE		NONE
						NONE
		*Visual				NONE
		*Visual				NORML
Odor	scalar	*Visual			NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	nnm	ASTM D5185m		37	4	48
						205
						0
						248
						<1
						788
J						1488
						879
						1083
	• • • • • • • • • • • • • • • • • • • •					3538
Oxidation	Abs/.1mm	*ASTM D7414	>25	16.6	14.3	15.1
Onidation	rus/.1111111	70 IN D1414	/LU	10.0	14.0	
Base Number (BN)	ma KOH/a	ASTM DORGE	13.6	8.9	9.0	9.5
	Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor	Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.mm Silt scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Phosphorus ppm Zinc ppm	Oil Changed Filter Changed Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Fuel WC Method Water WC Method Glycol WC Method Soot % % *ASTM D7844 Nitration Abs/cm *ASTM D7844 Nitration Abs/cm *ASTM D7845 Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Barium ppm ASTM D5185m Barium ppm ASTM D5185m Molybdenum ppm ASTM D5185m Magnesium ppm ASTM D5185m	Oil Changed Filter Changed Sample StatusClient InfoIronppmASTM D5185m>100ChromiumppmASTM D5185m>20NickelppmASTM D5185m>4TitaniumppmASTM D5185m>3SilverppmASTM D5185m>3AluminumppmASTM D5185m>20LeadppmASTM D5185m>30TinppmASTM D5185m>330TinppmASTM D5185m>15VanadiumppmASTM D5185mNONEYellow Metalscalar*VisualNONEYellow Metalscalar*VisualNONEFuelWC Method>5PotassiumppmASTM D5185m>20FuelWC Method>5WaterWC Method>0.2GlycolWC Method>0.2SulfationAbs/.1mm*ASTM D7844>3NitrationAbs/.1mm*ASTM D7624>20SulfationAbs/.1mm*ASTM D7624>20SulfationAbs/.1mm*ASTM D7415>30Siltscalar*VisualNONEDebrisscalar*VisualNONESand/Dirtscalar*VisualNONEAppearancescalar*VisualNORMLEmulsified Waterscalar*VisualNORMLEmulsified Waterscalar*VisualNORMLBoronppmASTM D5185mMagnesiumppmASTM D5185m<	Oil Changed Filter Changed Sample Status Client Info Client Info Changed Changed NORMAL Iron ppm ASTM D5185m >100 19 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >4 0 Titanium ppm ASTM D5185m >4 0 Silver ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 10 Lead ppm ASTM D5185m >20 10 Lead ppm ASTM D5185m >20 10 Lead ppm ASTM D5185m >40 3 Copper ppm ASTM D5185m >40 3 Vanadium ppm ASTM D5185m >40 3 Vanadium ppm ASTM D5185m >15 0 White Metal scalar *Visual NONE NONE Yellow Metal scalar *Visual NONE NOE	Oil Changed Filter Changed Sample Status Client Info Client Info Client Info NORMAL Changed Changed NORMAL Changed Changed NORMAL Iron ppm ASTM D5185m >100 19 11 Chromium ppm ASTM D5185m >20 0 <1













Laboratory Sample No. Unique Number : 10936218

Lab Number : 06122067

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0205685

Received Tested Diagnosed

: 19 Mar 2024 : 19 Mar 2024

: 19 Mar 2024 - Wes Davis

JRE - CHARLOTTE 9550 STATESVILLE ROAD

CHARLOTTE, NC US 28269

Contact: CHARLOTTE SHOP

myoung@jamesriverequipment.com T: (704)597-0211

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) F: (704)596-6198