WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Machine Id

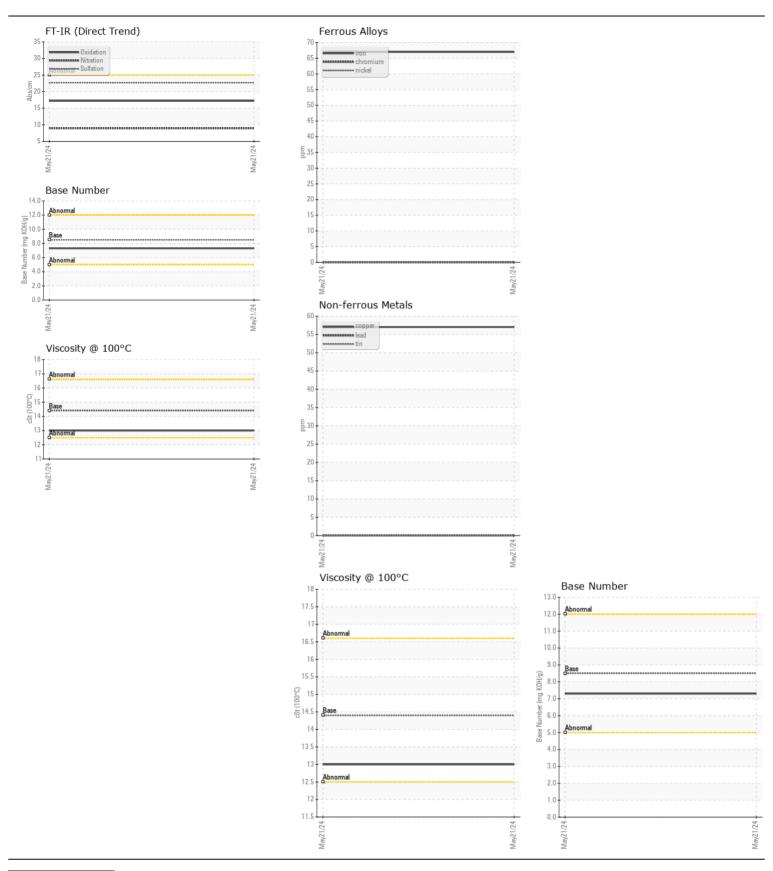
New Holland Contract core drilling (S/N JAF0L228JGM415201)

Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 40 (--- GAL)

Sample Office Page Page	DIESEL ENGINE OIL SAE 40 (GAL)							
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENNIRE OLI SAE 40. Please confirm. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please specify the component make and model with your next sample. Please	BECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Résample at the next service, natural total nuite (setternet) composed to the next service, a fluid match indicates that this fluid is (setternet) composed to the next service, a fluid match indicates that this fluid is (setternet) composed to the next service of the next service, and the next service in the composed to the next service. Sample Status	TESSIMILERBATION				21111071011			
Machine Age hrs Client Info 742	Resample at the next service interval to monitor. The fluid was not							
Oil Age			hrs			-		
Filter Age		•						
Oi Changed Client Info Changed Changed Client Info Changed Changed Client Info Changed								
Filter Changed Sample Status		_				_		
Metal levels are typical for a new component breaking in. Iron								
Metal levels are typical for a new component breaking in.		_				_		
Chromium ppm ASTM D5186m > 20 0								
Nickel ppm ASTM 05185m 34 0 Titanium ppm ASTM 05185m 34 0 Silver ppm ASTM 05185m 32 0 Aluminum ppm ASTM 05185m 34 0 Aluminum ppm ASTM 05185m 34 0 Copper ppm ASTM 05185m 34 0 Copper ppm ASTM 05185m 34 0 Copper ppm ASTM 05185m 34 0 Vanadium ppm ASTM 05185m 34 0 Vanadium ppm ASTM 05185m 35 0 Visual NONE NONE Appearance scalar Visual NONE Appearance scalar Vi	WEAR Metal levels are typical for a new component breaking in.	Iron	ppm	ASTM D5185m	>100	67		
Titanium ppm ASTM DSISS 0		Chromium	ppm	ASTM D5185m	>20	0		
Silver ppm ASTM D5185m >3 0		Nickel	ppm	ASTM D5185m	>4	0		
Aluminum ppm ASTM DS185m >20 2		Titanium	ppm	ASTM D5185m		0		
Lead ppm ASTM D5185m >40 0		Silver	ppm	ASTM D5185m	>3	0		
Copper		Aluminum	ppm	ASTM D5185m	>20	2		
Tin		Lead	ppm	ASTM D5185m	>40	0		
Vanadium		Copper	ppm	ASTM D5185m	>330	57		
White Metal Scalar Visual NONE NON		Tin	ppm	ASTM D5185m	>15	0		
Yellow Metal Scalar *Visual NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NON		Vanadium	ppm	ASTM D5185m		0		
Silicon ppm ASTM D5185m >25 14		White Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 <1		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium ppm ASTM D5185m >20 <1	CONTABUNATION							
Fuel WC Method So.2 NEG WC Method NEG WC Method So.2 NEG WC Method NEG WC Method NEG WC Method So.2 NEG WC Method NONE NONE	CONTAMINATION							
Water WC Method >0.2 NEG	There is no indication of any contamination in the oil		ppm					
Glycol Soot %	There is no maleation of any contamination in the oil.							
Soot %					>0.2			
Nitration Abs/cm *ASTM D7624 >20 8.9 Sulfation Abs/mm *ASTM D7415 >30 22.7 Silt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NO		-						
Sulfation Abs/.1mm *ASTM D7415 >30 22.7 Silt scalar *Visual NONE NONE Debris scalar *Visual NONE NONE Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NOR								
Silt scalar *Visual NONE NONE NONE Scalar *Visual NONE Scalar *Visual NONE Scalar *Visual NONE Scalar *Visual NONE NONE Scalar *Visual NONE NONE Scalar *Visual NONE NORML N								
Debris Scalar *Visual NONE NONE NONE Sand/Dirt Scalar *Visual NONE NONE								
Sand/Dirt scalar *Visual NONE NONE Appearance scalar *Visual NORML NORM								
Appearance Scalar *Visual NORML NORM								
Odor scalar *Visual NORML NORML Full FLUID CONDITION								
Emulsified Water scalar *Visual >0.2 NEG		• •						
Sodium ppm ASTM D5185m >216 3						_		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Boron ppm ASTM D5185m 250 248 Barium ppm ASTM D5185m 10 0 Molybdenum ppm ASTM D5185m 100 145 Manganese ppm ASTM D5185m 450 624 Calcium ppm ASTM D5185m 3000 1652 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608		Emulsified water	scalar	"VISUAI	>0.2	NEG		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service. Boron ppm ASTM D5185m 250 248 Barium ppm ASTM D5185m 10 0 Molybdenum ppm ASTM D5185m 100 145 Manganese ppm ASTM D5185m 450 624 Calcium ppm ASTM D5185m 3000 1652 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608	FLUID CONDITION	Sodium	nnm	ASTM D5185m	>216	3		
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 0 145 Molybdenum ppm ASTM D5185m 100 145 Manganese ppm ASTM D5185m 450 624 Calcium ppm ASTM D5185m 3000 1652 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608	The BN result indicates that there is suitable alkalinity remaining in the							
Molybdenum ppm ASTM D5185m 100 145 Manganese ppm ASTM D5185m 200 Manganese ppm ASTM D5185m 3000 1652 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608 Sulfur ppm ASTM D5185m 4250 3608								
Manganese ppm ASTM D5185m 0 Magnesium ppm ASTM D5185m 450 624 Calcium ppm ASTM D5185m 3000 1652 Phosphorus ppm ASTM D5185m 1150 961 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608								
Magnesium ppm ASTM D5185m 450 624 Calcium ppm ASTM D5185m 3000 1652 Phosphorus ppm ASTM D5185m 1150 961 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608		-						
Calcium ppm ASTM D5185m 3000 1652 Phosphorus ppm ASTM D5185m 1150 961 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608					450			
Phosphorus ppm ASTM D5185m 1150 961 Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608		•						
Zinc ppm ASTM D5185m 1350 1185 Sulfur ppm ASTM D5185m 4250 3608								
Sulfur ppm ASTM D5185m 4250 3608								
CARGUIOTI ANNI ANTI ANTI ANTI ANTI ANTI ANTI AN		Oxidation	Abs/.1mm			17.2		
Base Number (BN) mg KOH/g ASTM D2896 8.5 7.3								
Visc @ 100°C cSt ASTM D445 14.4 \ 13.0 \								







Laboratory Sample No.

: JR0215444 Lab Number : 06187443

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

Tested Diagnosed Unique Number : 11044195 Test Package : CONST (Additional Tests: TBN)

Received : 22 May 2024 : 23 May 2024

: 23 May 2024 - Wes Davis

JRE - CHARLOTTE 9550 STATESVILLE ROAD CHARLOTTE, NC US 28269

Contact: CHARLOTTE SHOP myoung@jamesriverequipment.com

T: (704)597-0211 F: (704)596-6198

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)