

WEAR CONTAMINATION FLUID CONDITION

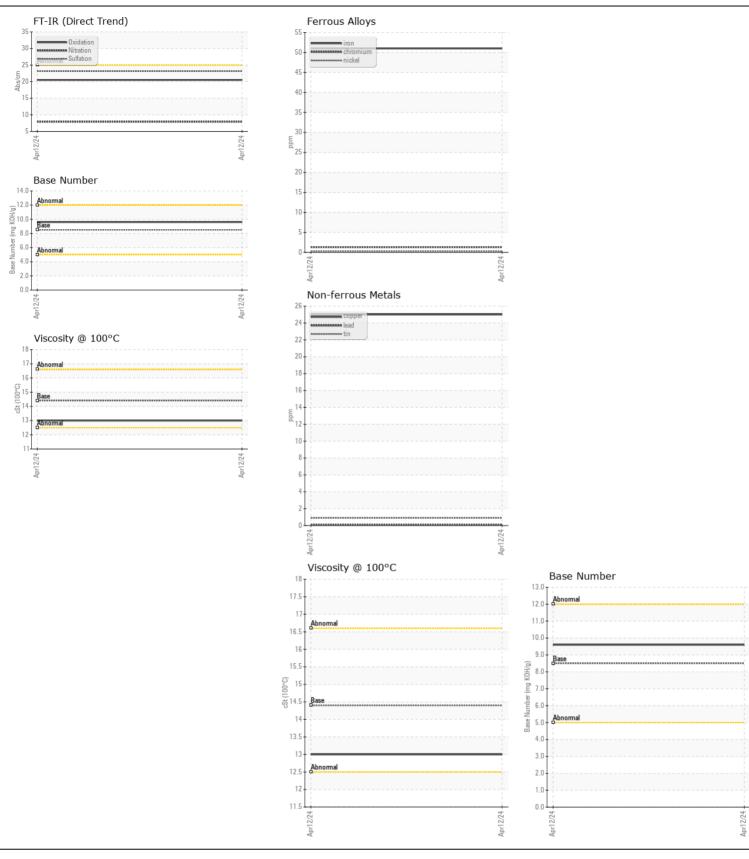
NORMAL NORMAL NORMAL

Machine Id **17820** 

Component Diesel Engine

DIESEL ENGINE OIL SAE 40 (--- GAL)

Recommendation   Resample at the next service interval to monitor. The fluid was not perfected, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL 524 d.0. Please confirm.						-,		
Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicate star this fluid is (GENERIC) DIESEL ENORMO CIL SAE 40. Please confirm.   Please specify the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component make and model with your next sample.   Relation of the component site of the component make and model with your next sample.   Relation of the component site	RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Other   Component   C	Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.	Sample Number		Client Info		WC0904508		
DIESEL ENGINE OIL 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 sit set of the sample status.   Please specify the component sit set of the sample status.   Please specify the component sit set of the sample status.   Please specify status.   Ple		Sample Date		Client Info		12 Apr 2024		
Please specify the component make and model with your next sample,   Filter Age   days   Client Info   So   Client Info   Changed   Changed   Changed   Client Info   Changed		Machine Age	days	Client Info		90		
Filter Age   Glost Info   Glost Info   Ghanged   Client Info   Changed   Chang		Oil Age	days	Client Info		90		
Filter Changed   Client Info   Changed   Cha		Filter Age	days	Client Info		90		
Nome		Oil Changed		Client Info		Changed		
Iron		Filter Changed		Client Info		Changed		
Chromium   ppm   ASTM 05185m   42   1		Sample Status				NORMAL		
Chromium   ppm   ASTM 05185m   42   1								
Nicke	WEAR	Iron	ppm					
Note   Path   Still Distribution   Path   Still Distribution   Path   Still Distribution   Path	Metal levels are typical for a components first oil change.		ppm	ASTM D5185m	>20	1		
Silver   ppm   ASTM D5185m   >20   11		Nickel	ppm		>4	<1		
Aluminum   ppm   ASTM D5185m   >20   11		Titanium	ppm	ASTM D5185m		<1		
Lead   ppm   ASTM D5185m   340   < 1   .		Silver	ppm	ASTM D5185m	>3	0		
Copper		Aluminum	ppm	ASTM D5185m	>20	11		
Tin		Lead	ppm	ASTM D5185m	>40			
Vanadium   ppm   ASTM 05185m   Vanadium   White Metal   scalar   Visual   NONE   NONE   Work   NONE   Valuar   NONE   NONE   Valuar   NONE   NONE   Valuar   NONE   NONE		Copper	ppm			25		
White Metal Yellow Metal   Scalar   "Visual NONE NONE NONE   NO		Tin	ppm	ASTM D5185m	>15	<1		
Vellow Metal   Scalar   Visual   NONE   NO		Vanadium	ppm	ASTM D5185m				
CONTAMINATION		White Metal	scalar	*Visual	NONE	NONE		
Potassium   ppm   ASTM D5185m   >20   26		Yellow Metal	scalar	*Visual	NONE	NONE		
Potassium   ppm   ASTM D5185m   >20   26	CONTARINATION							
Flevaled aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.    Fuel   WC Method   >0.2   NEG   WC Method   NEG   Soot %   NEG   Soot %   NEG   Nitration   Abs/cm   Neg   Note   Neg   Note   Nog	CONTAMINATION							
your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.    Water	your metals analysis are likely a result of solder flux release into the		ppm					
Glycol								
Soot %					>0.2			
Nitration	indication of any contamination in the oil.	-						
Sulfation   Abs/.tmm   *ASTM D7415   >30   23.1								
Silt   scalar   *Visual   NONE   Debris   scalar   *Visual   NONE   NONE   Sand/Dirt   scalar   *Visual   NONE   NONE   Sand/Dirt   scalar   *Visual   NONE   NONE   Sand/Dirt   scalar   *Visual   NORML								
Debris   Scalar   *Visual   NONE   NONE   Sand/Dirt   Scalar   *Visual   NONE   NONE   NONE   Sand/Dirt   Scalar   *Visual   NONE   NONE   NONE   Sand/Dirt   Scalar   *Visual   NORML   NORML   NORML   Scalar   *Visual   NORML								
Sand/Dirt   Scalar   *Visual   NONE   NORE       NORE   Appearance   Scalar   *Visual   NORML   NORM								
Appearance								
Codor   Scalar   *Visual   NORML   N								
Emulsified Water   scalar   *Visual   >0.2   NEG		• •						
Sodium   ppm   ASTM D5185m   >216   5								
Boron   ppm   ASTM D5185m   250   67           Barium   ppm   ASTM D5185m   10   2           Molybdenum   ppm   ASTM D5185m   100   41           Magnesium   ppm   ASTM D5185m   100   41           Magnesium   ppm   ASTM D5185m   450   522           Calcium   ppm   ASTM D5185m   3000   1572           Phosphorus   ppm   ASTM D5185m   1150   816           Sulfur   ppm   ASTM D5185m   4250   2733           Oxidation   Abs/.1mm   *ASTM D7414   >25   20.5           Base Number (BN)   mg KOH/g   ASTM D2896   8.5   9.6		Emulsified Water	scalar	*Visual	>0.2	NEG		
Boron   ppm   ASTM D5185m   250   67           Barium   ppm   ASTM D5185m   10   2           Molybdenum   ppm   ASTM D5185m   100   41           Magnesium   ppm   ASTM D5185m   100   41           Magnesium   ppm   ASTM D5185m   450   522           Calcium   ppm   ASTM D5185m   3000   1572           Phosphorus   ppm   ASTM D5185m   1150   816           Sulfur   ppm   ASTM D5185m   4250   2733           Oxidation   Abs/.1mm   *ASTM D7414   >25   20.5           Base Number (BN)   mg KOH/g   ASTM D2896   8.5   9.6	FLUID CONDITION	Sodium	ppm	ASTM D5185m	>216	5		
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   100   41         Molybdenum   ppm   ASTM D5185m   100   41         Manganese   ppm   ASTM D5185m   450   522         Calcium   ppm   ASTM D5185m   3000   1572         Phosphorus   ppm   ASTM D5185m   1150   816         Zinc   ppm   ASTM D5185m   1350   921         Sulfur   ppm   ASTM D5185m   4250   2733         Oxidation   Abs/.1mm *ASTM D7414   >25   20.5         Base Number (BN)   mg KOH/g   ASTM D2896   8.5   9.6	The BN result indicates that there is suitable alkalinity remaining in the	Boron		ASTM D5185m	250	67		
Molybdenum ppm ASTM D5185m 100 41 Magnesium ppm ASTM D5185m 5 Magnesium ppm ASTM D5185m 3000 1572   Phosphorus ppm ASTM D5185m 1150 816   Zinc ppm ASTM D5185m 1350 921   Sulfur ppm ASTM D5185m 4250 2733   Oxidation Abs/.1mm *ASTM D7414 >25 20.5   Base Number (BN) mg KOH/g ASTM D2896 8.5 9.6								
Manganese         ppm         ASTM D5185m         5             Magnesium         ppm         ASTM D5185m         450         522             Calcium         ppm         ASTM D5185m         3000         1572             Phosphorus         ppm         ASTM D5185m         1150         816             Zinc         ppm         ASTM D5185m         1350         921             Sulfur         ppm         ASTM D5185m         4250         2733             Oxidation         Abs/.1mm         *ASTM D7414         >25         20.5             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         9.6		Molybdenum		ASTM D5185m	100	41		
Magnesium         ppm         ASTM D5185m         450         522             Calcium         ppm         ASTM D5185m         3000         1572             Phosphorus         ppm         ASTM D5185m         1150         816             Zinc         ppm         ASTM D5185m         1350         921             Sulfur         ppm         ASTM D5185m         4250         2733             Oxidation         Abs/.1mm         *ASTM D7414         >25         20.5             Base Number (BN)         mg K0H/g         ASTM D2896         8.5         9.6		•						
Calcium         ppm         ASTM D5185m         3000         1572             Phosphorus         ppm         ASTM D5185m         1150         816             Zinc         ppm         ASTM D5185m         1350         921             Sulfur         ppm         ASTM D5185m         4250         2733             Oxidation         Abs/.1mm         *ASTM D7414         >25         20.5             Base Number (BN)         mg K0H/g         ASTM D2896         8.5         9.6		_			450			
Phosphorus         ppm         ASTM D5185m         1150         816             Zinc         ppm         ASTM D5185m         1350         921             Sulfur         ppm         ASTM D5185m         4250         2733             Oxidation         Abs/.1mm         *ASTM D7414         >25         20.5             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         9.6		-						
Zinc         ppm         ASTM D5185m         1350         921             Sulfur         ppm         ASTM D5185m         4250         2733             Oxidation         Abs/.1mm         *ASTM D7414         >25         20.5             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         9.6								
Sulfur         ppm         ASTM D5185m         4250         2733             Oxidation         Abs/.1mm         *ASTM D7414         >25         20.5             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         9.6								
Oxidation         Abs/.1mm         *ASTM D7414         >25         20.5             Base Number (BN)         mg KOH/g         ASTM D2896         8.5         9.6								
Base Number (BN)         mg KOH/g         ASTM D2896         8.5         9.6								
				•	•			







Certificate L2367

Laboratory Sample No.

Lab Number : 06174841 Unique Number : 11020894 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : WC0904508 : 09 May 2024

**Tested** : 10 May 2024 : 10 May 2024 - Wes Davis Diagnosed

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC US 27105

Contact: Audrey Hopkins Audrey.Hopkins@salemcorp.com

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.

T: (336)767-9642 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: x: