

# WEAR NORMAL CONTAMINATION ABNORMAL FLUID CONDITION ABNORMAL

#### Machine Id SZLG730207 Component Diesel Engine Fluid {not provided} (---- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

#### WEAR

All component wear rates are normal.

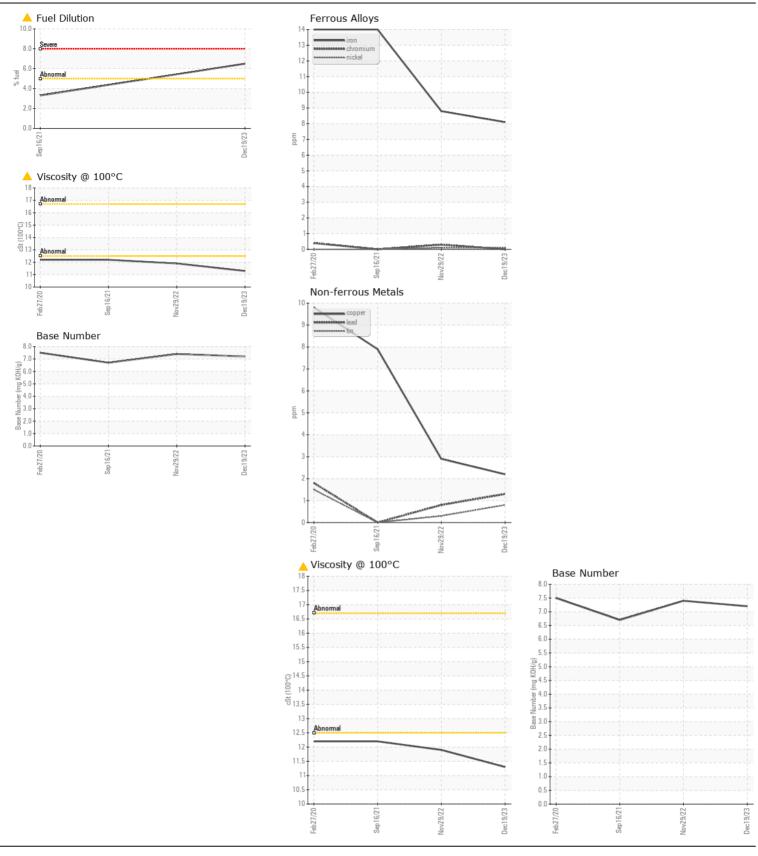
## CONTAMINATION

There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

### FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sample Date     Client Info     19 Dec 2023     29 Nov 2022     16 Sep 2021       Machine Age     hrs     Client Info     6356     4853     3397       Oil Age     hrs     Client Info     0     0     0       Filter Age     hrs     Client Info     N/A     N/A       Filter Changed     Client Info     N/A     N/A							
Sample Date     Client Info     19 Dec 2023     29 Nov 2022     16 Sep 2021       Machine Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     0     0     0       Oil Age     hrs     Client Info     N/A     N/A     N/A       Filter Age     hrs     Client Info     N/A     N/A     N/A       Sample Status     Client Info     N/A     N/A     N/A     N/A       Iron     ppm     ASTM D5185m<>20     0     <1     0       Nickel     ppm     ASTM D5185m<>20     0     <1     0       Nickel     ppm     ASTM D5185m<>3     0     0     0       Cloron     ppm     ASTM D5185m<>30     2     3     8       Tin     ppm     ASTM D5185m<>30     2     3     8       Tin     ppm     ASTM D5185m<>30     2     3     8       Tin     ppm     ASTM D5185m<>20     4     1     0       Veli	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age     hrs     Client Info     6356     4853     3397       Oil Age     hrs     Client Info     0     0     0       Filter Age     hrs     Client Info     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     ASTM D5185m     >100     8     9     14       Chromium     ppm     ASTM D5185m     >20     0     <1     0       Nickel     ppm     ASTM D5185m     >20     0     <1     0       Silver     ppm     ASTM D5185m     >20     4     2     2       Lead     ppm     ASTM D5185m     >20     4     2     2       Vanadium     ppm     ASTM D5185m     >330     2     3     8       Tin     ppm     ASTM D5185m     >25     5     5     5       Vanadium     ppm <th>Sample Number</th> <th></th> <th>Client Info</th> <th></th> <th>WC0869052</th> <th>WC0739090</th> <th>WC0614729</th>	Sample Number		Client Info		WC0869052	WC0739090	WC0614729
Oil Age     hrs     Client Info     0     0     0     0       Filter Age     hrs     Client Info     N/A     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Client Info     N/A     N/A     N/A     N/A       Iron     ppm     ASTM D5185m     >100     8     9     14       Chromium     ppm     ASTM D5185m     >20     0     <1     0       Nickel     ppm     ASTM D5185m     >3     0     0     0       Silver     ppm     ASTM D5185m     >3     0     0     0       Vanadium     ppm     ASTM D5185m     >30     2     3     8       Tin     ppm     ASTM D5185m     >30     2     3     8       Tin     ppm     ASTM D5185m     >25     5     5     5       Potassium     ppm     ASTM D5185m     >20     1     <1     0 </th <th>Sample Date</th> <th></th> <th>Client Info</th> <th></th> <th>19 Dec 2023</th> <th>29 Nov 2022</th> <th>16 Sep 2021</th>	Sample Date		Client Info		19 Dec 2023	29 Nov 2022	16 Sep 2021
Filter Age     hrs     Client Info     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Client Info     N/A     N/A     N/A     N/A       Iron     ppm     ASTM D5185m     >100     8     9     14       Chromium     ppm     ASTM D5185m     >20     0     <1     0       Nickel     ppm     ASTM D5185m     >20     0     <1     0       Titanium     ppm     ASTM D5185m     >3     0     0     0       Gopper     ppm     ASTM D5185m     >3     0     3     8       Tin     ppm     ASTM D5185m     >40     1     <1     0       Vanadium     ppm     ASTM D5185m     >15     <1     <1     0       Vanadium     ppm     ASTM D5185m     >25     5     5     5       Potassium     ppm     ASTM D5185m     >20     1     <1     0  <	Machine Age	hrs	Client Info		6356	4853	3397
Oil Changed     Client Info     N/A     N/A     N/A     N/A       Filter Changed     Client Info     N/A     N/A     N/A     N/A       Sample Status     Client Info     N/A     ARMORMAL     NORMAL     MARGINAL       Iron     ppm     ASTM D5185m     >200     0     <1     0       Nickel     ppm     ASTM D5185m     >20     0     <1     0       Silver     ppm     ASTM D5185m     >30     0     0     0       Aluminum     ppm     ASTM D5185m     >20     4     2     2       Lead     ppm     ASTM D5185m     >30     2     3     8       Tin     ppm     ASTM D5185m     >30     2     1     0       Vanadium     ppm     ASTM D5185m     >20     A     1     0       Vanadium     ppm     ASTM D5185m     >25     5     5     5       Potasisum     ppm     ASTM D5185m     >20     1     1     0 <th>Oil Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>0</th> <th>0</th> <th>0</th>	Oil Age	hrs	Client Info		0	0	0
Filter Changed Sample Status     Client Info     N/A ABNORMAL     N/A NORMAL     N/A MARGINAL       Iron     ppm     ASTM D5185m<>100     8     9     14       Chromium     ppm     ASTM D5185m<>20     0     <1     0       Nickel     ppm     ASTM D5185m<>20     0     <1     0       Silver     ppm     ASTM D5185m<>3     0     0     0       Aluminum     ppm     ASTM D5185m<>30     2     3     8       Aluminum     ppm     ASTM D5185m<>30     2     3     8       Tin     ppm     ASTM D5185m<>30     2     3     8       Tin     ppm     ASTM D5185m<>15     6     1     0       Vanadium     ppm     ASTM D5185m<>25     5     5     5       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sulicon     ppm     ASTM D5185m	Filter Age	hrs	Client Info		0	0	0
Sample Status     ABNORMAL     NORMAL     MARGINAL       Iron     ppm     ASTM 05185m<>100     8     9     14       Chromium     ppm     ASTM 05185m<>20     0     -1     0       Nickel     ppm     ASTM 05185m<>-34     <1     0     0       Silver     ppm     ASTM 05185m<>-30     0     0     0       Aluminum     ppm     ASTM 05185m<>-30     0     0     0       Aluminum     ppm     ASTM 05185m<>-30     2     3     8       Tin     ppm     ASTM 05185m<>-30     2     3     8       Tin     ppm     ASTM 05185m<>-30     2     3     8       Visual     NONE     NONE     NONE     NONE     NONE       Veltow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM 05185m<>-25     5     <1.0     4.3.3       Water     WC Method     >0.2     NEG     NEG     NEG	Oil Changed		Client Info		N/A	N/A	N/A
Iron     ppm     ASTM D5185m     >100     8     9     14       Chromium     ppm     ASTM D5185m     >20     0     <1     0       Nickel     ppm     ASTM D5185m     >20     0     <1     0       Titanium     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >30     2     3     8       Tin     ppm     ASTM D5185m     >15     <1     <1     0       Vanadium     ppm     ASTM D5185m     >15     <1     <1     0       Vanadium     ppm     ASTM D5185m     >20     1     <1     0       Vanadium     ppm     ASTM D5185m     >20     1     <1     0       Vallow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Vellow Metal     scalar     *Visual     NONE     NEG	Filter Changed		Client Info		N/A	N/A	N/A
Chromium     ppm     ASTM D5185m     >20     0     <1	Sample Status				ABNORMAL	NORMAL	MARGINAL
Chromium     ppm     ASTM D5185m     >20     0     <1							
Nickel     ppm     ASTM D5185m     >-4     <1	-				-		
Titanium     ppm     ASTM D5185m     O     O     O       Silver     ppm     ASTM D5185m<>3     O     O     O       Aluminum     ppm     ASTM D5185m<>20     4     2     2       Lead     ppm     ASTM D5185m<>40     1     <1     O       Copper     ppm     ASTM D5185m<>15     <1     <1     O       Vanadium     ppm     ASTM D5185m     5     <1     0       Vanadium     ppm     ASTM D5185m     S0     <1     0       Vanadium     ppm     ASTM D5185m     >20     1     <1     0       Vanadium     ppm     ASTM D5185m     >20     1     <1     0       Vallow Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m     >20     1     <1     0       Fuel     %     ASTM D76185m     >20     16.5     <1.0     &3.3       Water     WC Method     >0.2		ppm			-		
Silver     ppm     ASTM D5185m     >3     0     0     0       Aluminum     ppm     ASTM D5185m     >20     4     2     2       Lead     ppm     ASTM D5185m     >20     4     2     2       Lead     ppm     ASTM D5185m     >330     2     3     8       Tin     ppm     ASTM D5185m     >15     <1		ppm		>4			
Aluminum     ppm     ASTM D5185m     >20     4     2     2       Lead     ppm     ASTM D5185m     >40     1     <1     0       Copper     ppm     ASTM D5185m     >330     2     3     8       Tin     ppm     ASTM D5185m     >15     <1     <1     0       Vanadium     ppm     ASTM D5185m     >15     <1     <1     0       With Metal     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m<>25     5     5     5     5       Potassium     ppm     ASTM D5185m<>20     1     <1     0     4     3.3       Water     WC Method     >0.2     NEG     NEG     NEG     NEG       Sulfation     Abs/Imm     ASTM D7624<>20     7.6     7.2     7.8       Sulfation     Abs/Imm<		ppm	ASTM D5185m		-	0	
Lead     ppm     ASTM D5185m     >40     1     <1					-	-	
Copper     ppm     ASTM D5185m     >330     2     3     8       Tin     ppm     ASTM D5185m     >15     <1     <1     0       Vanadium     ppm     ASTM D5185m     0     <1     0       White Metal     scalar     *Visual     NONE     NONE     NONE     NONE       Yellow Metal     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m<>25     5     5     5     5       Potassium     ppm     ASTM D5185m<>20     1     <1     0     6.5     <1.0     A.3.3       Water     WC Method     >0.2     NEG     NEG     NEG     S     5		ppm			-	_	
Tin     ppm     ASTM D5185m     >15     <1					-		
Vanadium     ppm     ASTM D5185m     0     0     <1					_	-	
White Metalscalar*VisualNONENONENONENONENONEYellow Metalscalar*VisualNONENONENONENONENONESiliconppmASTM D5185m>201<10Fuel%ASTM D5185m>201<10Fuel%ASTM D5185m>20NEGNEGNEGGlycolWC Method>0.2NEGNEGNEGSoot %%*ASTM D7624>207.67.27.8SulfationAbs/cm*ASTM D7624>207.67.27.8SulfationAbs/cm*ASTM D7624>20NONENONENONEDebrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNORENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLOdorscalar*VisualNORNORMLNORMLNORMLDebrisscalar*VisualNORNORMLNORMLNORMLAppearancescalar*VisualNORMLNORMLNORMLNORMLDdorscalar*VisualNORMLNORMLNORMLNORMLBariumppmASTM D5185m21<10ManganeseppmASTM D5185m338383126 <t< th=""><th></th><th></th><th></th><th>&gt;15</th><th></th><th></th><th></th></t<>				>15			
Yellow Metal     scalar     *Visual     NONE     NONE     NONE       Silicon     ppm     ASTM D5185m<>25     5     5     5       Potassium     ppm     ASTM D5185m<>20     1     <1     0       Fuel     %     ASTM D5185m<>20     ▲     6.5     <1.0     ▲     3.3       Water     WC Method     >0.2     NEG     NEG     NEG     Second     A     3.3       Water     WC Method     >0.2     NEG     NEG     NEG     NEG       Soot %     %     *ASTM D7844     >3     0.1     0.2     0.2       Nitration     Abs/cm< *ASTM D7624     >20     7.6     7.2     7.8       Sulfation     Abs/inm< *ASTM D7115     >30     20.8     21.1     23.5       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NORM     NORM     NORML     NORML     NORML       Appearance     scalar     *Visual <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th>					-		
Silicon     ppm     ASTM D5185m<>25     5     5     5       Potassium     ppm     ASTM D5185m<>20     1     <1     0       Fuel     %     ASTM D5185m<>20     1     <1     0       Fuel     %     ASTM D5185m<>20     A     6.5     <1.0     3.3       Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     WC Method     >0.2     NEG     NEG     NEG       Soot %     %     *ASTM D7844<>3     0.1     0.2     0.2       Nitration     Abs/cm     *ASTM D7844<>30     0.1     0.2     0.2       Sulfation     Abs/imm     *ASTM D7844<>30     0.8     0.11     0.2       Debris     scalar     *Visual     NORE <th></th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th>						-	
Potassium     ppm     ASTM D5185m     >20     1     <1	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Potassium     ppm     ASTM D5185m     >20     1     <1	Silicon	nom	AGTM D5185m	> 25	5	Б	Б
Fuel     %     ASTM D3524     >5     A 6.5     <1.0							
Water     WC Method     >0.2     NEG     NEG     NEG       Glycol     WC Method     NEG     NEG     NEG     NEG       Soot %     %     *ASTM D7844     >3     0.1     0.2     0.2       Nitration     Abs/cm     *ASTM D7624     >20     7.6     7.2     7.8       Sulfation     Abs/tmm     *ASTM D7624     >20     7.6     7.2     7.8       Sulfation     Abs/tmm     *ASTM D7415     >30     20.8     21.1     23.5       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NORM     NORML     NORML     NORML       Appearance     scalar     *Visual     NORM     NORML     NORML     NORML       Odor     scalar     *Visual     NORM     NORML     NORML     NORML       Emulsified Water     scalar     *Visual					-		•
Glycol     WC Method     NEG     NEG     NEG       Soot %     %     *ASTM D7844     >3     0.1     0.2     0.2       Nitration     Abs/cm     *ASTM D7624     >20     7.6     7.2     7.8       Sulfation     Abs/tmm     *ASTM D7614     >30     20.8     21.1     23.5       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NOR     NORML     NORML     NORML     NORML       Appearance     scalar     *Visual     NOR     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NOR     NORML     NORML     NORML     NORML       Emulsified Water     scalar     *Visual     >0.2     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     338     340     292     Barium     ppm <td< th=""><th></th><th>/0</th><th></th><th></th><th></th><th></th><th></th></td<>		/0					
Soot %     %     *ASTM D7844     >3     0.1     0.2     0.2       Nitration     Abs/cm     *ASTM D7624     >20     7.6     7.2     7.8       Sulfation     Abs/imm     *ASTM D7415     >30     20.8     21.1     23.5       Silt     scalar     *Visual     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NOR     NORML     NORML     NORML     NORML       Appearance     scalar     *Visual     NORM     NORML     NORML     NORML       Odor     scalar     *Visual     NOR     NORML     NORML     NORML       Emulsified Water     scalar     *Visual     >0.2     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     2     1     <1     1       Boron     ppm     ASTM D5185m     338     340     292       Barium     ppm				20.2			
Nitration     Abs/cm     *ASTM D7624     >20     7.6     7.2     7.8       Sulfation     Abs/.1mm     *ASTM D7415     >30     20.8     21.1     23.5       Silt     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NOR     NOR     NONE     NONE     NONE       Appearance     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NOR     NORML     NORML     NORML       Emulsified Water     scalar     *Visual     >0.2     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     2     1     <1     1       Boron     ppm     ASTM D5185m     338     340     292       Barium     ppm     ASTM D5185m     31370     1452     1364 <t< th=""><th></th><th>0/_</th><th></th><th><u>\</u>3</th><th></th><th></th><th></th></t<>		0/_		<u>\</u> 3			
Sulfation     Abs/.tmm     *ASTM D7415     >30     20.8     21.1     23.5       Silt     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Debris     scalar     *Visual     NONE     NONE     NONE     NONE     NONE       Sand/Dirt     scalar     *Visual     NONE     NONE     NONE     NONE       Appearance     scalar     *Visual     NORM     NORML     NORML     NORML     NORML       Odor     scalar     *Visual     NOR     NORML     NORML     NORML     NORML       Emulsified Water     scalar     *Visual     >0.2     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     2     1     <1     1       Boron     ppm     ASTM D5185m     338     340     292     3       Barium     ppm     ASTM D5185m     6     0     0     0     0     0     0     0     0     0     0     0     0 <th></th> <th>, .</th> <th></th> <th></th> <th></th> <th>-</th> <th></th>		, .				-	
Siltscalar*VisualNONENONENONENONEDebrisscalar*VisualNONENONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m21<11BoronppmASTM D5185m0000MolybdenumppmASTM D5185m0000MagnesiumppmASTM D5185m338383126ManganeseppmASTM D5185m398386509CalciumppmASTM D5185m137014521364PhosphorusppmASTM D5185m12051230838SulfurppmASTM D5185m305835201917OxidationAbs.1mm*ASTM D7144>2516.015.321.9Base Number (BN)mg KOHgASTM D28967.27.46.7					-		
Debrisscalar*VisualNONENONENONENONESand/Dirtscalar*VisualNONENONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m21<1<1BoronppmASTM D5185m0000MolybdenumppmASTM D5185m833833126ManganeseppmASTM D5185m398386509CalciumppmASTM D5185m137014521364PhosphorusppmASTM D5185m12051230838SulfurppmASTM D5185m305835201917OxidationAbs.1mm*ASTM D5185m16.015.321.9Base Number (BN)mg KOHgASTM D28967.27.46.7							
Sand/Dirtscalar*VisualNONENONENONENONEAppearancescalar*VisualNORMLNORMLNORMLNORMLNORMLOdorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m21<1BoronppmASTM D5185m338340292BariumppmASTM D5185m000MolybdenumppmASTM D5185m83383126ManganeseppmASTM D5185m3398386509CalciumppmASTM D5185m137014521364PhosphorusppmASTM D5185m12051230838SulfurppmASTM D5185m305835201917OxidationAbs.1mm*ASTM D28967.27.46.7					-	_	
Appearance     scalar     *Visual     NORML     Strestin anditin and in a strestin an					_		
Odor     scalar     *Visual     NORML     NOR       Sodium     ppm     ASTM D5185m     338     340     292     343     340     292     364     369     364     509     364     509     364     509     364     509     364     500     367     367					-	_	
Emulsified Water     scalar     *Visual     >0.2     NEG     NEG     NEG       Sodium     ppm     ASTM D5185m     2     1     <1       Boron     ppm     ASTM D5185m     338     340     292       Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     ppm     ASTM D5185m     83     83     126       Manganese     ppm     ASTM D5185m     41     <1     0       Magnesium     ppm     ASTM D5185m     398     386     509       Calcium     ppm     ASTM D5185m     1370     1452     1364       Phosphorus     ppm     ASTM D5185m     995     946     670       Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs./imm *ASTM D7414     >25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2					-		
Sodium     ppm     ASTM D5185m     2     1     <1					-		
Boron     ppm     ASTM D5185m     338     340     292       Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     ppm     ASTM D5185m     83     83     126       Manganese     ppm     ASTM D5185m     83     83     126       Magnesium     ppm     ASTM D5185m     <1     <1     0       Magnesium     ppm     ASTM D5185m     398     386     509       Calcium     ppm     ASTM D5185m     1370     1452     1364       Phosphorus     ppm     ASTM D5185m     995     946     670       Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs./1mm *ASTM D7414<>25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7							
Barium     ppm     ASTM D5185m     0     0     0       Molybdenum     ppm     ASTM D5185m     83     83     126       Manganese     ppm     ASTM D5185m     <1     <1     0       Magnesium     ppm     ASTM D5185m     398     386     509       Calcium     ppm     ASTM D5185m     1370     1452     1364       Phosphorus     ppm     ASTM D5185m     995     946     670       Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs./1mm *ASTM D7414 >25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Sodium	ppm	ASTM D5185m		2	1	<1
Molybdenum     ppm     ASTM D5185m     83     83     126       Manganese     ppm     ASTM D5185m     <1     <1     0       Magnesium     ppm     ASTM D5185m     <1     <1     0       Magnesium     ppm     ASTM D5185m     398     386     509       Calcium     ppm     ASTM D5185m     1370     1452     1364       Phosphorus     ppm     ASTM D5185m     995     946     670       Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs/1mm *ASTM D7414 >25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Boron	ppm	ASTM D5185m		338	340	292
Manganese     ppm     ASTM D5185m     <1	Barium	ppm	ASTM D5185m		0	0	0
Magnesium     ppm     ASTM D5185m     398     386     509       Calcium     ppm     ASTM D5185m     1370     1452     1364       Phosphorus     ppm     ASTM D5185m     995     946     670       Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs/.1mm<*ASTM D7414<>25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Molybdenum	ppm	ASTM D5185m		83	83	126
Calcium     ppm     ASTM D5185m     1370     1452     1364       Phosphorus     ppm     ASTM D5185m     995     946     670       Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs/.1mm<*ASTM D7414	Manganese	ppm	ASTM D5185m		<1	<1	0
Phosphorus     ppm     ASTM D5185m     995     946     670       Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs/.1mm     *ASTM D7414     >25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Magnesium	ppm	ASTM D5185m		398	386	509
Zinc     ppm     ASTM D5185m     1205     1230     838       Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs/.1mm     *ASTM D7414     >25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Calcium	ppm	ASTM D5185m		1370	1452	1364
Sulfur     ppm     ASTM D5185m     3058     3520     1917       Oxidation     Abs/.1mm     *ASTM D7414     >25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Phosphorus	ppm	ASTM D5185m		995	946	670
Oxidation     Abs/.1mm     *ASTM D7414     >25     16.0     15.3     21.9       Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Zinc	ppm	ASTM D5185m		1205	1230	838
Base Number (BN)     mg KOH/g     ASTM D2896     7.2     7.4     6.7	Sulfur	ppm	ASTM D5185m		3058	3520	1917
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	15.3	
Visc @ 100°C cSt ASTM D445 🛛 🍐 11.3 🕖 11.9 12.2	Base Number (BN)	mg KOH/g	ASTM D2896		7.2	7.4	6.7
	Visc @ 100°C	cSt	ASTM D445		<b>11.3</b>	11.9	12.2



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **DOLE FRESH FRUIT** Laboratory : WC0869052 : 26 Feb 2024 PO BOX 725, ATTN: MAINTENANCE AND REPAIR Sample No. Received : 28 Feb 2024 NEW CASTLE, DE Lab Number : 06099738 Tested Unique Number : 10897968 : 28 Feb 2024 - Wes Davis US 19720 Diagnosed Test Package : FLEET (Additional Tests: FuelDilution, PercentFuel) Contact: LUIS LAPIERRE Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. luis.lapierre@dole.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (302)652-6344 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (302)652-6061

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