

# **OIL ANALYSIS REPORT**



Machine Id LINK-BELT 218V V2L4-7706

Component Boom Hoist Fluid

GEAR OIL SAE 90 (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.

### Wear

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.



Sample Rating Trend



Sample NumberClient InfoLB C000022Sample DateClient Info04 Apr 2024Machine AgehrsClient Info100Ol AgehrsClient Info100Ol Changed'Client InfoNot ChangdCONTAMINATIONmethodInit/Dasecurrenthistory1history2CONTAMINATIONmethodInit/Dasecurrenthistory1history2WaterWC Method>.0.1NEGWEAR METALSmethodInit/Dasecurrenthistory1history2IronppmASTMD51655>5-1NickelppmASTMD51655>6SilverppmASTMD51655>102ItaniumppmASTMD51655>102AuminumppmASTMD51655>10ItaniumppmASTMD51655>10CopperppmASTMD51655>10ItaniumppmASTMD51655>10AuminumppmASTMD5165510ItaniumppmASTMD5165510ManadamesppmASTMD5165510 <th>SAMPLE INFORM</th> <th>IATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Machine Age     hrs     Client Info     100         Oil Age     hrs     Client Info     100         Oil Changed     Client Info     Not Changd         Sample Status     Imit/bass     current     history1        Vater     WC Method     >0.1     NEG         WEAR METALS     method     Imit/bass     current     history1        VEAR METALS     method     Imit/bass     current     history1        Nickel     ppm     ASTM D5185m     >300     5         Silver     ppm     ASTM D5185m     >4     0         Auminum     ppm     ASTM D5185m     >10     2         Copper     ppm     ASTM D5185m     >120     0         Auminum     ppm     ASTM D5185m     200     2         Copper     ppm	Sample Number		Client Info		LBC0000022		
Oil Age     hrs     Client Info     100         Oil Changed     Client Info     Not Changd         Sample Status     imit/bass     current     history1     imit/bass       CONTAMINATION     method     imit/bass     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     imit/bass     current     history1     history2       Iron     ppm     ASTM D5185m     >5     -1         Nickel     ppm     ASTM D5185m     >4     0         Aduminum     ppm     ASTM D5185m     >10     2         Aduminum     ppm     ASTM D5185m     >10          Aduminum     ppm     ASTM D5185m     >10          Copper     ppm     ASTM D5185m     >10         Adminum	Sample Date		Client Info		04 Apr 2024		
Oli Changed     Client Info     Not Changd NORMAL         Sample Status     I     Net of NorMAL      Initration       CONTAMINATION     method     init/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     init/base     current     history1     history2       Iron     ppm     ASTM D5185m     >300     5	Machine Age	hrs	Client Info		-		
Oli Changed     Client Info     Not Changd NORMAL         Sample Status     I     Net of NorMAL      Initration       CONTAMINATION     method     init/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     init/base     current     history1     history2       Iron     ppm     ASTM D5185m     >300     5	Oil Age	hrs	Client Info		100		
Sample Status     method     imit/base     current.     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     imit/base     current     history1     history2       Iron     ppm     ASTM D5165m     >300     5         Chromium     ppm     ASTM D5165m     >300     5         Titanium     ppm     ASTM D5165m     >4     0         Silver     ppm     ASTM D5165m     >10     2         Lead     ppm     ASTM D5165m     >10     2         Tin     ppm     ASTM D5165m     >10          Cadmium     ppm     ASTM D5165m     90     <1         ASTM D5165m     120     0          ASTM D5165m     120     2 </th <th>-</th> <th></th> <th>Client Info</th> <th></th> <th>Not Changd</th> <th></th> <th></th>	-		Client Info		Not Changd		
CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM DS165m     >300     5         Chromium     ppm     ASTM DS165m     >4     0         Nickel     ppm     ASTM DS165m     <1          Aluminum     ppm     ASTM DS165m     >10     2         Lead     ppm     ASTM DS165m     >10     2         Copper     ppm     ASTM DS165m     >200     <1         Cadmium     ppm     ASTM DS165m     200     <1         ADDITIVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM DS165m     15     0	-				NORMAL		
Water     WC Method     >0.1     NEG         WEAR METALS     method     linit/base     current     history1     history2       Iron     ppm     ASTM D5165m     >300     5         Nickel     ppm     ASTM D5165m     >4     0         Nickel     ppm     ASTM D5165m     >4     0         Silver     ppm     ASTM D5165m     >10     2         Lead     ppm     ASTM D5165m     >10     2         Copper     ppm     ASTM D5165m     >10          Cadmium     ppm     ASTM D5165m     >10          ADDITIVES     method     limit/base     current     history1     history2       Barium     ppm     ASTM D5165m     120     6         Maganesse     ppm     ASTM D5165m     12     0     -	-	N	method	limit/base	current	history1	history2
Iron     ppm     ASTM D5185m     >300     5         Nickel     ppm     ASTM D5185m     >5     <1         Nickel     ppm     ASTM D5185m     >4     0         Silver     ppm     ASTM D5185m     >4     0         Aluminum     ppm     ASTM D5185m     >10     2         Lead     ppm     ASTM D5185m     >120     0         Copper     ppm     ASTM D5185m     >120     0         Vanadium     ppm     ASTM D5185m     >15     0         Vanadium     ppm     ASTM D5185m     0          ADDITIVES     method     Imit/base     current     history1     history2       Boron     ppm     ASTM D5185m     12     1         Magnese     ppm     ASTM D5185m     1			WC Method	>0.1	NEG		
Chromium     ppm     ASTM D5185m     >5     <1	WEAR METALS		method	limit/base	current	history1	history2
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Nickel     ppm     ASTM D5185m     >4     0         Titanium     ppm     ASTM D5185m      <1	Chromium		ASTM D5185m	>5	<1		
Titanium     ppm     ASTM D5185m     <1         Silver     ppm     ASTM D5185m     >10     2         Aluminum     ppm     ASTM D5185m     >10     2         Lead     ppm     ASTM D5185m     >120     0         Copper     ppm     ASTM D5185m     >15     0         Vanadium     ppm     ASTM D5185m     >15     0         Vanadium     ppm     ASTM D5185m     >15     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     200     2         Magnese     ppm     ASTM D5185m     12     0         Magnesium     ppm     ASTM D5185m     12     <1	Nickel		ASTM D5185m	>4	0		
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Copper     ppm     ASTM D5185m     >200     <1         Tin     ppm     ASTM D5185m     >15     0         Vanadium     ppm     ASTM D5185m     0          Cadmium     ppm     ASTM D5185m     0          ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     200     2         Malybdenum     ppm     ASTM D5185m     200     2         Magnesse     ppm     ASTM D5185m     12     0         Magnesium     ppm     ASTM D5185m     12     <1	Lead				0		
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White Metalscalar*VisualNONENONEYellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML		ppm	ASTM D5185m	>20	2		
Yellow Metalscalar*VisualNONENONEPrecipitatescalar*VisualNONENONESiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML	VISUAL		method	limit/base		history1	history2
Precipitatescalar*VisualNONENONESiltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML	White Metal	scalar	*Visual	NONE	NONE		
Siltscalar*VisualNONENONEDebrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML	Yellow Metal	scalar	*Visual	NONE	NONE		
Debrisscalar*VisualNONENONESand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML	Precipitate	scalar	*Visual	NONE	_		
Sand/Dirtscalar*VisualNONENONEAppearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML		scalar	*Visual	NONE	NONE		
Appearancescalar*VisualNORMLNORMLOdorscalar*VisualNORMLNORML	Debris	scalar	*Visual	NONE	NONE		
Odor scalar *Visual NORML NORML	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
Emulsified Water scalar *Visual >0.1 NEG	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.1	NEG		

NEG

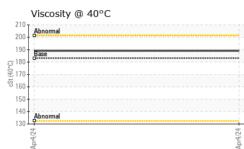
Report Id: LBCP103900 [WUSCAR] 06141774 (Generated: 04/09/2024 14:40:18) Rev: 1

Free Water

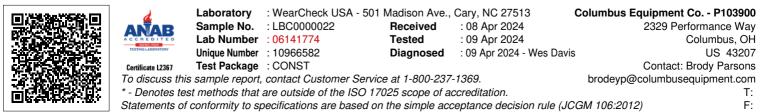
scalar \*Visual



## **OIL ANALYSIS REPORT**



FLUID PROPER	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	183	189		
SAMPLE IMAGE	ES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom			-	no image	no image	no image
GRAPHS						
Perrous Alloys	als		Apr4/24			
Viscosity @ 40°C	2		Apr			
Abnormal						
Base						
D						
D-						
D <b>-</b>						
Abnormal			Apr4/24			
Apr4/24						



Submitted By: Brody Parsons Page 2 of 2