

### **OIL ANALYSIS REPORT**

Sample Rating Trend



# TAYLOR JLS900L FL-34 (S/N 17495)

**Transmission** 

AW HYDRAULIC OIL ISO 46 (--- LTR)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the fluid.

#### Fluid Condition

The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

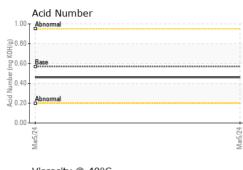
SAMPLE INFORMATION     method     limit/base     current     history1     history2       Sample Number     Client Info     05 Mar 2024         Machine Age     hrs     Client Info     9756         Oil Age     hrs     Client Info     9756         Oil Age     hrs     Client Info     500         Oil Changed     Client Info     Changed          Sample Status     Imit/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >200     6         Metar     WC Method     >0           Iron     ppm     ASTM D5185m     >0          Silver     ppm <td< th=""><th></th><th></th><th>-</th><th></th><th>Mar2024</th><th></th><th></th></td<>			-		Mar2024		
Sample Date     Client Info     05 Mar 2024         Machine Age     hrs     Client Info     9756         Oil Age     hrs     Client Info     500         Oil Changed     Client Info     Changed         Sample Status     NORMAL          CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >0          Chromium     ppm     ASTM D5185m     0          Silver     ppm     ASTM D5185m     >50     2         Copper     ppm     ASTM D5185m     >20     2         Cadmium     ppm     ASTM D5185m <th>SAMPLE INFORM</th> <th>MATION</th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age Oil Age     hrs hrs     Client Info     9756         Oil Age     hrs     Client Info     500         Sample Status     Client Info     Changed         Sample Status     NORMAL          CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >10     <1	Sample Number		Client Info		PCA0113919		
Oil Age     hrs     Client Info     500         Oil Changed     Client Info     Changed         Sample Status     Image     NORMAL         CONTAMINATION     method     limit/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >200     6         Nickel     ppm     ASTM D5185m     0          Aluminum     ppm     ASTM D5185m     0          Lead     ppm     ASTM D5185m     >50     2         Cadmium     ppm     ASTM D5185m     >200     2         Copper     ppm     ASTM D5185m     >0         ADDITIVES     method	Sample Date		Client Info		05 Mar 2024		
Oil Changed     Client Info     Changed         Sample Status     Image     Image </td <td>Machine Age</td> <td>hrs</td> <td>Client Info</td> <td></td> <th>9756</th> <td></td> <td></td>	Machine Age	hrs	Client Info		9756		
Sample Status     Immethod     Immit/base     current     history1     history2       Water     WC Method     >0.1     NEG         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >200     6         Chromium     ppm     ASTM D5185m     >200     6         Nickel     ppm     ASTM D5185m     0          Nickel     ppm     ASTM D5185m     0          Silver     ppm     ASTM D5185m     >50     2         Aluminum     ppm     ASTM D5185m     >50     0         Aluminum     ppm     ASTM D5185m     >200     2         Aluminum     ppm     ASTM D5185m     0          Cadmium     ppm     ASTM D5185m     5 <td>Oil Age</td> <td>hrs</td> <td>Client Info</td> <td></td> <th>500</th> <td></td> <td></td>	Oil Age	hrs	Client Info		500		
CONTAMINATIONmethodlimit/basecurrenthistory1history2WaterWC Method>0.1NEGWEAR METALSmethodlimit/basecurrenthistory1history2IronppmASTM D5185m>2006ChromiumppmASTM D5185m0NickelppmASTM D5185m0SilverppmASTM D5185m0AuminumppmASTM D5185m502LeadppmASTM D5185m>502CopperppmASTM D5185m>502LeadppmASTM D5185m>2002CadmiumppmASTM D5185m>10<1	Oil Changed		Client Info		Changed		
Water     WC Method     >0.1     NEG         WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >200     6         Chromium     ppm     ASTM D5185m     >10     <1         Nickel     ppm     ASTM D5185m     0          Silver     ppm     ASTM D5185m     0          Aluminum     ppm     ASTM D5185m     >50     2         Lead     ppm     ASTM D5185m     >50     0         Lead     ppm     ASTM D5185m     >10     <1         Vanadium     ppm     ASTM D5185m     0          Mandum     ppm     ASTM D5185m     0          Vanadium     ppm     ASTM D5185m     5     0 <t< th=""><th>Sample Status</th><th></th><th></th><th></th><th>NORMAL</th><th></th><th></th></t<>	Sample Status				NORMAL		
WEAR METALS     method     limit/base     current     history1     history2       Iron     ppm     ASTM D5185m     >200     6         Chromium     ppm     ASTM D5185m     >10     <1         Nickel     ppm     ASTM D5185m     0          Silver     ppm     ASTM D5185m     0          Aluminum     ppm     ASTM D5185m     >50     2         Lead     ppm     ASTM D5185m     >50     0         Lead     ppm     ASTM D5185m     >200     2         Lead     ppm     ASTM D5185m     >0         Cadmium     ppm     ASTM D5185m     0         ADDITIVES     method     limit/base     current     history1     history2       Boron     ppm     ASTM D5185m     5     0	CONTAMINATI	ION	method	limit/base	current	history1	history2
Iron     ppm     ASTM D5185m     >200     6         Chromium     ppm     ASTM D5185m     >10     <1         Nickel     ppm     ASTM D5185m     0          Titanium     ppm     ASTM D5185m     0          Aluminum     ppm     ASTM D5185m     >50     2         Lead     ppm     ASTM D5185m     >50     0         Copper     ppm     ASTM D5185m     >200     2         Vanadium     ppm     ASTM D5185m     >200     2         Cadmium     ppm     ASTM D5185m     >10          Molybdenum     ppm     ASTM D5185m     5     0         Magnese     ppm     ASTM D5185m     5     0         Magnesium     ppm     ASTM D5185m	Water		WC Method	>0.1	NEG		
Chromium     ppm     ASTM D5185m     >10     <1	WEAR METAL	S	method	limit/base	current	history1	history2
Nickel     ppm     ASTM D5185m     0        Titanium     ppm     ASTM D5185m     0         Silver     ppm     ASTM D5185m     0         Aluminum     ppm     ASTM D5185m     >50     2         Lead     ppm     ASTM D5185m     >50     0         Copper     ppm     ASTM D5185m     >50     0         Tin     ppm     ASTM D5185m     >10     <1	Iron	ppm	ASTM D5185m	>200	6		
Titanium     ppm     ASTM D5185m     <1         Silver     ppm     ASTM D5185m     0         Aluminum     ppm     ASTM D5185m     >50     2         Lead     ppm     ASTM D5185m     >50     0         Copper     ppm     ASTM D5185m     >200     2         Tin     ppm     ASTM D5185m     >200     2         Vanadium     ppm     ASTM D5185m     >10     <1	Chromium	ppm	ASTM D5185m	>10	<1		
Silver     ppm     ASTM D5185m     0         Aluminum     ppm     ASTM D5185m     >50     2         Lead     ppm     ASTM D5185m     >50     0         Copper     ppm     ASTM D5185m     >200     2         Tin     ppm     ASTM D5185m     >10     <1	Nickel	ppm	ASTM D5185m		0		
Aluminum     ppm     ASTM D5185m     >50     2         Lead     ppm     ASTM D5185m     >50     0         Copper     ppm     ASTM D5185m     >200     2         Tin     ppm     ASTM D5185m     >10     <1	Titanium	ppm	ASTM D5185m		<1		
Lead     ppm     ASTM D5185m     >50     0         Copper     ppm     ASTM D5185m     >200     2         Tin     ppm     ASTM D5185m     >10     <1	Silver	ppm	ASTM D5185m		0		
Copper     ppm     ASTM D5185m     >200     2         Tin     ppm     ASTM D5185m     >10     <1	Aluminum	ppm	ASTM D5185m	>50	2		
Tin   ppm   ASTM D5185m   >10   <1       Vanadium   ppm   ASTM D5185m   Image: Constraint of the start of the star	Lead	ppm	ASTM D5185m	>50	0		
VanadiumppmASTM D5185m0CadmiumppmASTM D5185m0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m5<1	Copper	ppm	ASTM D5185m	>200	2		
CadmiumppmASTM D5185m0ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m5<1	Tin	ppm	ASTM D5185m	>10	<1		
ADDITIVESmethodlimit/basecurrenthistory1history2BoronppmASTM D5185m5<1	Vanadium	ppm	ASTM D5185m		0		
Boron     ppm     ASTM D5185m     5     <1         Barium     ppm     ASTM D5185m     5     0         Molybdenum     ppm     ASTM D5185m     5     0         Manganese     ppm     ASTM D5185m     5     0         Magnesium     ppm     ASTM D5185m     25     1         Calcium     ppm     ASTM D5185m     200     57         Phosphorus     ppm     ASTM D5185m     300     342         Zinc     ppm     ASTM D5185m     370     439         Sulfur     ppm     ASTM D5185m     2500     1128         Solicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     >50     1         Potassium     ppm     ASTM D5185m     >20 <td>Cadmium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th>0</th> <td></td> <td></td>	Cadmium	ppm	ASTM D5185m		0		
Barium     ppm     ASTM D5185m     5     0         Molybdenum     ppm     ASTM D5185m     5     0         Manganese     ppm     ASTM D5185m     5     0         Magnesium     ppm     ASTM D5185m     25     1         Calcium     ppm     ASTM D5185m     200     57         Calcium     ppm     ASTM D5185m     300     342         Zinc     ppm     ASTM D5185m     370     439         Sulfur     ppm     ASTM D5185m     2500     1128         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     >20     <1         Potassium     ppm     ASTM D5185m <th>ADDITIVES</th> <th></th> <th>method</th> <th>limit/base</th> <th>current</th> <th>history1</th> <th>history2</th>	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum     ppm     ASTM D5185m     5     0         Manganese     ppm     ASTM D5185m     5     0         Magnesium     ppm     ASTM D5185m     25     1         Calcium     ppm     ASTM D5185m     25     1         Calcium     ppm     ASTM D5185m     200     57         Calcium     ppm     ASTM D5185m     300     342         Zinc     ppm     ASTM D5185m     370     439         Sulfur     ppm     ASTM D5185m     2500     1128         Solicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     >50     1         Potassium     ppm     ASTM D5185m     >20     <1	Boron	ppm	ASTM D5185m	5	<1		
Manganese     ppm     ASTM D5185m     0         Magnesium     ppm     ASTM D5185m     25     1         Calcium     ppm     ASTM D5185m     200     57         Phosphorus     ppm     ASTM D5185m     300     342         Zinc     ppm     ASTM D5185m     370     439         Sulfur     ppm     ASTM D5185m     2500     1128         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     >50     1         Potassium     ppm     ASTM D5185m     >20     <1	Barium	ppm	ASTM D5185m	5	0		
Magnesium     ppm     ASTM D5185m     25     1         Calcium     ppm     ASTM D5185m     200     57         Phosphorus     ppm     ASTM D5185m     300     342         Zinc     ppm     ASTM D5185m     370     439         Sulfur     ppm     ASTM D5185m     2500     1128         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     >50     1         Potassium     ppm     ASTM D5185m     >20     <1         FLUID DEGRADATION     method     limit/base     current     history1     history2	Molybdenum	ppm	ASTM D5185m	5	0		
Calcium     ppm     ASTM D5185m     200     57         Phosphorus     ppm     ASTM D5185m     300     342         Zinc     ppm     ASTM D5185m     370     439         Sulfur     ppm     ASTM D5185m     2500     1128         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     >50     1         Potassium     ppm     ASTM D5185m     >20     <1	Manganese	ppm	ASTM D5185m		0		
Phosphorus     ppm     ASTM D5185m     300     342         Zinc     ppm     ASTM D5185m     370     439         Sulfur     ppm     ASTM D5185m     2500     1128         CONTAMINANTS     method     limit/base     current     history1     history2       Silicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     >50     1         Potassium     ppm     ASTM D5185m     >20     <1         FLUID DEGRADATION     method     limit/base     current     history1     history2	Magnesium	ppm	ASTM D5185m	25	1		
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SulfurppmASTM D5185m25001128CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>501SodiumppmASTM D5185m0PotassiumppmASTM D5185m>20<1	Phosphorus	ppm	ASTM D5185m	300	342		
CONTAMINANTSmethodlimit/basecurrenthistory1history2SiliconppmASTM D5185m>501SodiumppmASTM D5185m0PotassiumppmASTM D5185m>20<1	Zinc	ppm	ASTM D5185m	370	439		
Silicon     ppm     ASTM D5185m     >50     1         Sodium     ppm     ASTM D5185m     O     0         Potassium     ppm     ASTM D5185m     >20     <1         FLUID DEGRADATION     method     limit/base     current     history1     history2	Sulfur	ppm	ASTM D5185m	2500	1128		
Sodium ppm ASTM D5185m 0     Potassium ppm ASTM D5185m<>20 <1	CONTAMINAN	TS	method	limit/base	current	history1	history2
SodiumppmASTM D5185m0PotassiumppmASTM D5185m<>20<1	Silicon	ppm	ASTM D5185m	>50	1		
Potassium     ppm     ASTM D5185m     >20     <1         FLUID DEGRADATION     method     limit/base     current     history1     history2	Sodium		ASTM D5185m		0		
	Potassium		ASTM D5185m	>20	<1		
Acid Number (AN) mg KOH/g ASTM D8045 0.57 0.46	FLUID DEGRAD	DAT <u>IO</u> N	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.46		

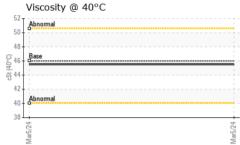
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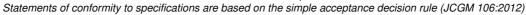
## **OIL ANALYSIS REPORT**

VISUAL





		White Metal Yellow Metal Precipitate Silt	scalar scalar scalar	*Visual *Visual *Visual	NONE NONE NONE	NONE NONE NONE		
		Precipitate	scalar	*Visual				
		Precipitate						
			304141	VISUAI				
		300	agalar	*\/iouol				
			scalar	*Visual	NONE	NONE		
	-	Debris	scalar	*Visual	NONE	NONE		
		Sand/Dirt	scalar	*Visual	NONE	NONE		
	Mar5/24	Appearance	scalar	*Visual	NORML	NORML		
	Mar	Odor	scalar	*Visual	NORML	NORML		
		Emulsified Water	scalar	*Visual	>0.1	NEG		
					20.1			
		Free Water	scalar	*Visual		NEG		
	1	FLUID PROPE	RTIES	method	limit/base	current	history1	history2
		Visc @ 40°C	cSt	ASTM D445	46	45.5		
							In the tax work	history O
		SAMPLE IMAC	JES	method	limit/base	current	history1	history2
	Mar5/24	Color				no image	no image	no image
		Bottom				no image	no image	no image
		GRAPHS Iron (ppm)			200 Mat 100 +72/SteW			
		Aluminum (ppm)			30 20 10 0	Chromium (p	pm)	
		Copper (ppm)			Mar5/24	Silicon (ppm)		
		600 400 Severe			150	0.000		
		e 400 - Abnormal			E <sup>100</sup>	Abnormal		
		0 + +			0			
		Mar5/24			Mar5/24	Mar5/24		
		Viscosity @ 40°C			/24 000 Mumber (mg KOH/g)	Acid Number		
		A1 1			¥ 1.00			
		ි 50 + Base දින 40 - දින - දන - ද			<u>ل</u> ے 0.50	Base		
		30 +			<sup>time</sup> 0.00	Abnormal		
					/24	/24		
		Mar5/24			Mar5/24 Aci	Mar5/24		
NAR Sa	ample No. ab Number	: WearCheck USA - 50 : PCA0113919 : 06117309 : 10926142	)1 Madiso Recei Teste Diagr	ived : 13 ed : 14	, NC 27513 Mar 2024 Mar 2024 Mar 2024 - W			S Mill Services LL T U.S. HWY 1 ESTERTON, I US 4630
tificate L2367 Te	est Package	: MOB 2 contact Customer Serv	vice at 1.0	100-227-1260	2	14/172	Contact: WAL urray@scrapmet	



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