

# JACKETING/JKT - LINE 3 JACKETING 3 EXTRUDER

## Gearbox

## JAX SYNGEAR INDUSTRIAL GEAR ISO 220 (8 GAL)

## RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: This extruder was recently relocated from Jacket Line 7 to Jacket Line 3. I changed the "Area" and "Machine Name" in the Machine Info section of the website to reflect this relocation. All the past reports will read Jacket Line 7 but now should be Jacket )

#### **WEAR**

All component wear rates are normal.

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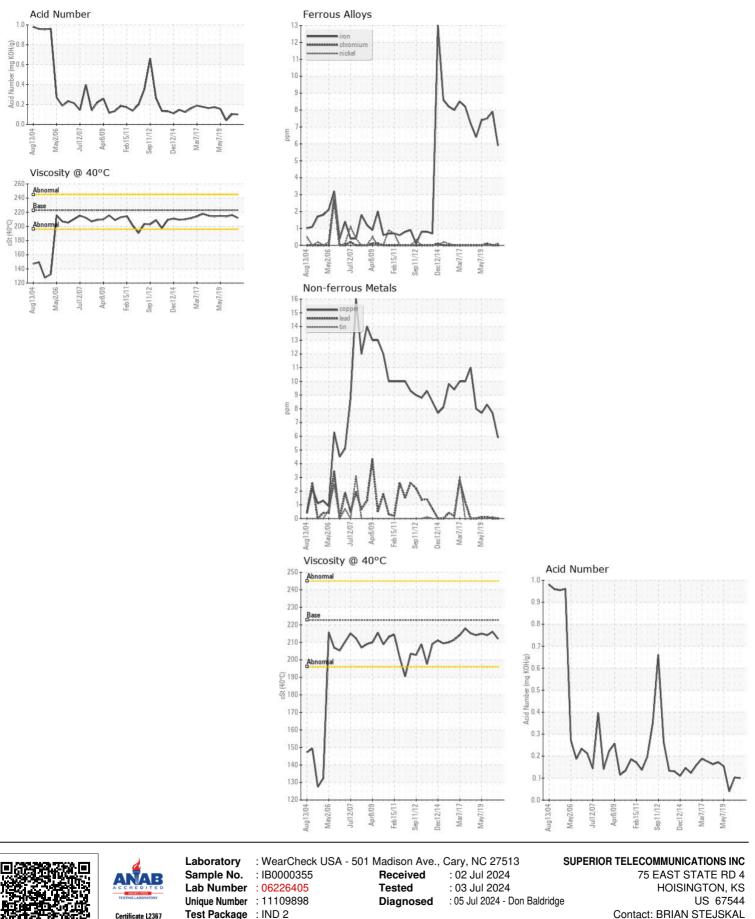
#### CONTAMINATION

There is no indication of any contamination in the oil.

#### **FLUID CONDITION**

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

Sample Date Client Info 27 Jun 2024 20 Jul 2021 11 Nov 2019   Machine Age hrs Client Info 123899 121882 119544   Oil Age hrs Client Info 93808 91791 89453   Filter Age hrs Client Info 4 0 0   Oil Changed Client Info Not Changed N/A N/A   Filter Changed Client Info Not Changed N/A N/A   Sample Status Client Info NorRMAL NORMAL NORMAL   Iron ppm ASTM D5185m >200 6 8 8   Chromium ppm ASTM D5185m >15 0 0 1   Nickel ppm ASTM D5185m >15 <1 0 0   Silver ppm ASTM D5185m >10 0 0 1   Aluminum ppm ASTM D5185m >20 0 0 0   Vaaduim ppm ASTM D5185m	,						
Sample Date Client Info 27 Jun 2024 20 Jul 2021 11 Nov 2015   Machine Age hrs Client Info 123899 121882 119544   Oil Age hrs Client Info 93808 91791 89453   Filter Age hrs Client Info 4 0 0   Oil Changed Client Info A Not Changed N/A N/A   Sample Status Client Info Changed N/A N/A N/A   Sample Status V NORMAL NORMAL NORMAL NORMAL   Iron ppm ASTM D5185 >15 0 0 1   Nickel ppm ASTM D5185 >15 0 0 0   Silver ppm ASTM D5185 >10 0 0 1 0   Lead ppm ASTM D5185 >20 6 8 8 1 0 0 0 0 0 0 0 0 0 0	Test	UOM	Method	Limit/Abn	Current	History1	History2
Machine Age NamehrsClient Info123899121882119544Oil AgehrsClient Info938089179189453Filter AgehrsClient Info400Oil ChangedClient InfoChangedN/AN/AFilter ChangedClient InfoChangedN/AN/ASample StatusVIAN/AN/AN/AIronppmASTM D5185m>200688ChromiumppmASTM D5185m>1500<1NickelppmASTM D5185m15<100TitaniumppmASTM D5185m25000SilverppmASTM D5185m>200688CopperppmASTM D5185m>200688TinppmASTM D5185m>200000LeadppmASTM D5185m>200688Yellow Metalscalar*VisualNONENONENONEYellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>2040<1Yellow Metalscalar*VisualNONENONENONESiliconppmASTM D5185m>20<10<1Yellow Metalscalar*VisualNONENONENONESoliconppmASTM D5185m>20<10 <t< th=""><th>Sample Number</th><th></th><th>Client Info</th><th></th><th>IB0000355</th><th>IB0000174</th><th>IB0000057</th></t<>	Sample Number		Client Info		IB0000355	IB0000174	IB0000057
Oil Age Filter Age Filter Age (Client Info938089179189453Filter Age Oil ChangedClient Info400Oil ChangedClient InfoNot ChangedN/AN/AFilter ChangedClient InfoChangedN/AN/ASample StatusClient InfoChangedN/AN/AIronppmASTM D5185m>200688ChromiumppmASTM D5185m>1500<1NickelppmASTM D5185m51<100TitaniumppmASTM D5185m00<10SilverppmASTM D5185m>1000<10CopperppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>200000VanadiumppmASTM D5185m>20688Yellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20c100WaterwC Method>.0.2NEGNEGNONESiliconppmASTM D5185m>20c101Optovisscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20c101Optovisscalar*Visual	Sample Date		Client Info		27 Jun 2024	20 Jul 2021	11 Nov 2019
Filter Age Oil ChangedInitInitInitInitInitInitClient InfoNot ChangedN/AN/AN/ASample StatusClient InfoChangedN/AN/AIronppmASTM D5185m>200688ChromiumppmASTM D5185m>1500<1NickelppmASTM D5185m>15000TitaniumppmASTM D5185m>15000SilverppmASTM D5185m>25000LeadppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>20000VanadiumppmASTM D5185m>20688TinppmASTM D5185m>20688TinppmASTM D5185m>20000VanadiumppmASTM D5185m>20400Vellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20<10<1WaterwC Method>.2NEGNEGNEGSiliconppmASTM D5185m>20<1 <th>Machine Age</th> <th>hrs</th> <th>Client Info</th> <th></th> <th>123899</th> <th>121882</th> <th>119544</th>	Machine Age	hrs	Client Info		123899	121882	119544
Oil ChangedClient InfoNot ChangedN/AN/AFilter ChangedClient InfoChangedN/AN/ASample StatusNORMALNORMALNORMALNORMALIronppmASTM D5185m>200688ChromiumppmASTM D5185m>1500<1NickelppmASTM D5185m>15000SilverppmASTM D5185m>25000SilverppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>200688TinppmASTM D5185m>20688TinppmASTM D5185m>20688TinppmASTM D5185m>20688TinppmASTM D5185m>20400Veite Metalscalar*VisualNONENONENONENONEYellow Metalscalar*VisualNONENONENONENONESiliconppmASTM D5185m>20<10<1WaterwC Method>.2NEGNEGNORESiliconppmASTM D5185m>20<10	Oil Age	hrs	Client Info		93808	91791	89453
Filter Changed Sample Status Client Info Changed NORMAL N/A N/A   Iron ppm ASTM D5185m >200 6 8 8   Chromium ppm ASTM D5185m >15 0 0 <1   Nickel ppm ASTM D5185m >15 <1 0 0   Silver ppm ASTM D5185m 20 0 0 0   Aluminum ppm ASTM D5185m >20 0 0 0   Lead ppm ASTM D5185m >20 6 8 8 1   Vanadium ppm ASTM D5185m >20 6 8 8   Tin ppm ASTM D5185m >20 6 8 8   Tin ppm ASTM D5185m >20 6 8 8   Tin ppm ASTM D5185m >20 6 8 8   Silicon ppm ASTM D5185m >20 <1 0	Filter Age	hrs	Client Info		4	0	0
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Chromium ppm ASTM D5185m >15 0 0 <1	Iron	nnm	ΔSTM D5185m	<u>\200</u>	6	g	8
Nickel ppm ASTM D5185m >15 <1							
Titanium ppm ASTM D5185m 0 0 0   Silver ppm ASTM D5185m 25 0 0 0   Aluminum ppm ASTM D5185m >255 0 0 0   Lead ppm ASTM D5185m >200 6 8 8   Tin ppm ASTM D5185m >200 6 8 8   Tin ppm ASTM D5185m >200 6 8 8   Tin ppm ASTM D5185m >200 6 8 8   Vanadium ppm ASTM D5185m >25 0 <1 0   Vanadium ppm ASTM D5185m NONE NONE NONE NONE   Yellow Metal scalar *Visual NONE NONE NONE NONE   Silicon ppm ASTM D5185m >20 <1 0 <1   Water wC Method >0.2 NEG NORE NORE						-	
Silver ppm ASTM D5185m 0 0 <1				>15			
Aluminum ppm ASTM D5185m >25 0 0 0   Lead ppm ASTM D5185m >100 0 0 <1   Copper ppm ASTM D5185m >200 6 8 8   Tin ppm ASTM D5185m >255 0 <1 0   Vanadium ppm ASTM D5185m >255 0 0 0 0   White Metal scalar *Visual NONE NONE NONE NONE NONE   Yellow Metal scalar *Visual NONE NONE NONE NONE NONE   Silicon ppm ASTM D5185m >50 2 2 2 2   Potassium ppm ASTM D5185m >20 <1 0 <1   Water WC Method >0.2 NEG NORE NORE NORE   Debris scalar *Visual NONE NONE NORE NORE   Appe							
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Copper ppm ASTM D5185m >200 6 8 8   Tin ppm ASTM D5185m >25 0 <1 0   Vanadium ppm ASTM D5185m >25 0 0 0   White Metal scalar *Visual NONE NONE LIGHT NONE   Yellow Metal scalar *Visual NONE NONE NONE NONE NONE   Silicon ppm ASTM D5185m >50 2 2 2   Potassium ppm ASTM D5185m >20 <1 0 <1   Water WC Method >0.2 NEG NEG NEG   Silt scalar *Visual NONE NONE NONE NONE   Debris scalar *Visual NOR NORE NONE NORML   Appearance scalar *Visual NORML NORML NORML NORML   Ddor scalar *Visual					-	-	
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PotassiumppmASTM D5185m>20<1		Scala	Visual			NONE	NONE
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Appearancescalar*VisualNORML<	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Odorscalar*VisualNORMLNORMLNORMLNORMLNORMLEmulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m1<10BoronppmASTM D5185m020BariumppmASTM D5185m00<1MolybdenumppmASTM D5185m000ManganeseppmASTM D5185m<11<1<1MagnesiumppmASTM D5185m232PhosphorusppmASTM D5185m232PhosphorusppmASTM D5185m0<10SulfurppmASTM D5185m0<10SulfurppmASTM D5185m0<120Acid Number (AN)mg KOH/gASTM D80450.100.1030.040	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Emulsified Waterscalar*Visual>0.2NEGNEGNEGSodiumppmASTM D5185m1<10BoronppmASTM D5185m020BariumppmASTM D5185m00<1MolybdenumppmASTM D5185m000ManganeseppmASTM D5185m<1<1<1MagnesiumppmASTM D5185m010CalciumppmASTM D5185m232PhosphorusppmASTM D5185m514471486ZincppmASTM D5185m0<10SulfurppmASTM D5185m1179813421298Acid Number (AN)mg KOH/gASTM D80450.100.1030.040	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Sodium ppm ASTM D5185m 1 <1	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Boron ppm ASTM D5185m 0 2 0   Barium ppm ASTM D5185m 0 0 <1   Molybdenum ppm ASTM D5185m 0 0 0 <1	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Barium ppm ASTM D5185m 0 0 <1	Sodium	ppm	ASTM D5185m		1	<1	0
Molybdenum ppm ASTM D5185m 0 0 0   Manganese ppm ASTM D5185m <1 <1 <1   Magnesium ppm ASTM D5185m 0 1 0   Calcium ppm ASTM D5185m 0 1 0   Phosphorus ppm ASTM D5185m 2 3 2   Phosphorus ppm ASTM D5185m 0 <1 0   Zinc ppm ASTM D5185m 0 <1 0   Sulfur ppm ASTM D5185m 0 <1 0   Acid Number (AN) mg KOH/g ASTM D5185m 0.10 0.103 0.040	Boron	ppm	ASTM D5185m		0	2	0
Manganese ppm ASTM D5185m <1	Barium	ppm	ASTM D5185m		0	0	<1
Magnesium ppm ASTM D5185m 0 1 0   Calcium ppm ASTM D5185m 2 3 2   Phosphorus ppm ASTM D5185m 514 471 486   Zinc ppm ASTM D5185m 0 <1	Molybdenum	ppm	ASTM D5185m		0	0	0
Calcium ppm ASTM D5185m 2 3 2   Phosphorus ppm ASTM D5185m 514 471 486   Zinc ppm ASTM D5185m 0 <1	Manganese	ppm	ASTM D5185m		<1	<1	<1
Phosphorus ppm ASTM D5185m 514 471 486   Zinc ppm ASTM D5185m 0 <1	Magnesium	ppm	ASTM D5185m		0	1	0
Zinc ppm ASTM D5185m 0 <1	Calcium	ppm	ASTM D5185m		2	3	2
Sulfur ppm ASTM D5185m 1798 1342 1298   Acid Number (AN) mg KOH/g ASTM D8045 0.10 0.103 0.040	Phosphorus	ppm	ASTM D5185m		514	471	486
Acid Number (AN) mg KOH/g ASTM D8045 0.10 0.103 0.040	Zinc	ppm	ASTM D5185m		0	<1	0
	Sulfur	ppm	ASTM D5185m		1798	1342	1298
Visc @ 40°C cSt ASTM D445 222.7 212 216 214	Acid Number (AN)	mg KOH/g	ASTM D8045		0.10	0.103	0.040
	Visc @ 40°C	cSt	ASTM D445	222.7	212	216	214



Test Package : IND 2 Certificate L2367 JON.FAZENBAKER@WEARCHECK.COM;brian.stejskal@spsx.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. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

> Submitted By: BRIAN STEJSKAL Page 2 of 2

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